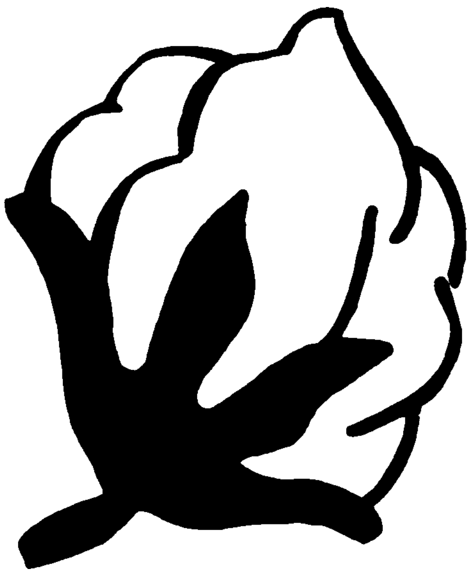

# SURVEY OF THE COST OF PRODUCTION OF RAW COTTON

INTERNATIONAL COTTON ADVISORY COMMITTEE

September 2001

- **Avec un glossaire**
- **Con glosario**

# SURVEY OF THE COST OF PRODUCTION OF RAW COTTON

## September 2001

A Report by the
Technical Information Section of the
International Cotton Advisory Committee

Washington DC USA

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## Introduction

ICAC data is the only source of information on the cost of production of raw cotton at the international level. Surveys were undertaken at irregular intervals for several years, but over the last ten years this report has been published at three-year intervals. ICAC asked producing countries to provide data for the year 2000/01. However, data from Australia, Mali and the USA are for 1999/2000. Twenty-eight countries provided information on most components of the cost of production of raw cotton. Some countries provided information for more than one set of production conditions, thus raising the total number of responses to 52. For the sake of maintaining comparability in the data collected, the same questionnaire has been used in the last four surveys.

The data must be used carefully. Differences in production practices, variations in the input supply systems among countries and direct and indirect technical and financial support to farmers in the form of free seed, technical advise, etc., makes comparisons difficult among countries. From the data presented here it is clear that some countries calculate opportunity costs while in other countries no such data are available. The significance of various inputs is also different in different countries and also makes inter-country comparisons difficult. Costs of individual inputs are more reliably compared among countries.

Regarding China (Mainland), the cost of production is given for the Yellow River Valley, but two equally important regions are the Yangtze River Valley and the Northwest region (Xinjiang). Detailed data are not available for the other two regions but it is estimated that the total cost in Xinjiang is about US$1,460 per hectare, and the estimated total income would be US$1,830 for lint and US$290 for seed. For the Yangtze River Valley the total cost is about US$1,200 per hectare, with a total income of US$1,610 from lint and US$190 from seed.

Land rent is the highest among all countries in Egypt. However, costs in Egypt are for a full year, including rent for a winter crop, planted after cotton.

In most cases the price of planting seed also includes the cost of treatment. This is also true for West African countries where seed is supplied free to farmers and is already treated but may not be delinted.

In Turkey, insecticide costs also include herbicides. The same is true for the U.S., where insecticide costs also include defoliation, wherever applied.

In some cases the total cost is higher than the value of seedcotton or the value of lint plus seed. One possible reason for such an imbalance is family labor employed in the farm operations, which is not counted by some countries. Some countries have various programs to provide financial support to farmers who otherwise may cease to produce cotton under normal conditions.

Cost of production may or may not be different over the previous year. It depends on domestic prices, which vary more drastically in some countries than others. Therefore, data from a smaller number of countries can be compared with a higher level of reliability than comparing many countries at the same time. There are still many countries from where data is not comparable.

Information on land rent for cotton and the value of seed sold after ginning is not available from many countries. Thus for the sake of inter-country comparisons, land rent and value of seedcotton have been deducted from the total cost and referred to as “Net Cost.” Similarly, variable cash expenses and cost of seedcotton are determined excluding land rent. As was the case in the previous survey, net cost per hectare is the highest in Israel among all countries who participated in the survey. However, net cost per kg of lint is closer to Israel’s in Kenya, Sudan, Syria and the USA. The reason for the higher cost per kg is either high cost per hectare or low yields per hectare. Cost per kg of lint and seedcotton shows that seedcotton costs per kg are less variable among countries.

Among the 28 countries, Colombia spends the highest amount on buying planting seed because planting seed is imported. Syria spends the highest amount on weed control operations. Insect control costs are the highest in one of the emerging regions of cotton production in Brazil. China (Mainland) spends more money on fertilizers than any other country who participated in the survey. Irrigation costs are the highest in Syria and Israel because of the scarcity of irrigation water. Harvesting and ginning costs per hectare also vary greatly among countries. Data on fixed cost is available from only 10 countries.

Data for cost per kg of lint compared among exporting countries showed that among major cotton producing countries it is least expensive to produce cotton in China (Mainland), Brazil and Pakistan followed by Turkey and Australia. High yields reduce cost per kg of lint, and data for high yielding countries—yielding over 1,000 kg lint per hectare—indicate that parts of South Africa and China (Mainland) produce higher yields at minimum cost per kg lint.

The data on the structure of production costs indicate that the cost of insecticides has been contained. The data for 11 sets of production conditions including irrigated and rainfed conditions showed that insecticides and their application costs are less that 15% of total production costs in all countries except Colombia.

One of the major changes in the USA has been the institution of a new set of production regions. The older regions were based on state boundaries while a single state may encompass different soil types and topography. New regions are based on similarity in types of farms intersected with areas of similar physiographic, soil and climate traits. More information on the new regions can be found at <www.ers.usda.gov>

The data on cost of production has been presented in various forms. However, for details on any input, it is advised to refer to country responses given in the last part of the report. Country responses in many cases also indicate the price and quantity of most inputs.

M. Rafiq Chaudhry
Head
Technical Information Section

## Introduction

Les données du CCIC sont la seule source d'information sur le coût de production de coton brut à l'échelle internationale. Des enquêtes ont été faites à des intervalles irréguliers pendant plusieurs années mais, lors des dix dernières années, ce rapport a été publié à des intervalles de trois ans. Le CCIC a demandé aux pays producteurs de fournir des données pour l'année 2000/2001. Toutefois, les données de l'Australie, du Mali et des Etats-Unis couvrent 1999/2000. Vingt-huit pays ont fourni des informations sur la plupart des composantes concernant le coût de production de coton brut. Certains pays ont fourni des informations sur plusieurs combinaisons de conditions de production, augmentant ainsi le nombre de réponses à 52. Afin d'assurer la comparabilité des données collectées, le même questionnaire a été utilisé dans le cadre des quatre dernières enquêtes.

Les données doivent être utilisées avec circonspection. Les différences au niveau des pratiques de production, les variations dans les systèmes d'approvisionnement en intrants parmi les pays et le soutien technique et financier direct et indirect aux producteurs sous forme de semences gratuites, conseils techniques et autres, rendent les comparaisons difficiles entre pays. D'après les données présentées, on se rend compte que certains pays calculent les coûts d'opportunité alors que dans d'autres pays, de telles données ne sont pas disponibles. L'importance des divers intrants n'est pas toujours la même d'un pays à l'autre compliquant là aussi la comparaison entre pays. Les coûts des divers intrants ne peuvent pas faire l'objet d'une comparaison fiable entre pays.

En ce qui concerne la Chine (continentale), le coût de production est donné pour la vallée du Fleuve jaune mais la vallée du Fleuve Yangtze et la Région du Nord-Ouest (Xinjiang) sont deux régions tout aussi importantes dont on ne dispose aucune donnée. Cependant, on estime que le coût total dans la région de Xinjiang est d'environ 1 460 US$ par hectare et les revenus totaux estimés s'élèveraient à 1 830 US$ pour la fibre et 290 US$ pour les semences. Pour la vallée du Fleuve Yangtze, le coût total serait d'environ 1 200 US$ par hectare avec un revenu total de 1 610 US $ pour le lin et 190 US$ pour les semences.

Le coût de location des terres en Egypte est parmi le plus élevé de tous les pays. Mais, les coûts en Egypte sont pour une année entière, y compris la location pour une culture hivernale, plantée après le coton.

Dans la plupart des cas, le prix des graines de plantation comprend également le coût du traitement. Cela s'applique également aux pays de l'Afrique de l'Ouest où les graines sont distribuées gratuitement aux producteurs — déjà traitées — mais sans opération de délintage.

En Turquie, les coûts des insecticides incluent également les herbicides. La même situation est constatée aux Etats-Unis où les coûts des insecticides comprennent également la défoliation, chaque fois qu'elle est appliquée.

Dans certains cas, le coût total est plus élevé que la valeur du coton-graine ou la valeur de la fibre plus les graines. La main-d'œuvre familiale employée pour les opérations agricoles, qui n'est pas comptée par certains pays, représente probablement une des raisons d'un tel déséquilibre. Certains pays comptent une variété de programmes pour fournir un soutien financier aux producteurs qui risqueraient autrement d'arrêter de produire du coton dans les conditions normales.

Le coût de production risque également d'être différent par rapport à l'année précédente. Il dépend des prix nationaux qui varient dans une fourchette plus grande dans certains pays que dans d'autres. Par conséquent, les données d'un nombre plus petit de pays peuvent être comparées avec un meilleur degré de fiabilité que s'il y avait une comparaison faite entre plusieurs pays à la fois. Il existe encore un grand nombre de pays pour lesquels les données ne sont pas comparables.

L'information sur la location des terres pour le coton et la valeur des graines vendues après le délintage n'est pas disponible pour un grand nombre de pays. Aussi, aux fins de comparaison inter-pays, la location des terres et la valeur du coton-graine ont été déduites du coût total et désignées comme « coût net ». De même, les dépenses variables en espèces et le coût du coton-graine sont déterminés excluant la location des terres. A l'instar de l'enquête précédente, le coût net par hectare est le plus élevé en Israël parmi tous les pays qui ont participé à l'enquête. Mais le coût net par kg de fibre est plus proche de celui d'Israël au Kenya, au Soudan, en Syrie et aux Etats-Unis. La raison pour le coût plus élevé par kilogramme est soit le coût élevé par hectare, soit les faibles rendements par hectare. Le coût par kg de fibre et de coton-graine indique que les coûts de coton-graine par kg sont moins variables d'un pays à l'autre.

Des 28 pays, c'est la Colombie qui dépense le plus pour acheter des graines de plantation car ces semences sont importées. La Syrie dépense le plus pour les opérations de lutte contre les plantes adventices. Les coûts de lutte contre les insectes sont les plus élevés dans l'une des nouvelles régions au Brésil. La Chine (continentale) dépense plus d'argent pour les engrais que tout autre pays qui a participé à l'enquête. Les coûts d'irrigation sont les plus élevés en Syrie et en Israël à cause du manque d'eau pour l'irrigation. Les coûts de récolte et d'égrenage par hectare varient également énormément d'un pays à l'autre. Les données sur les coûts fixes sont disponibles pour 10 pays seulement.

Les données pour le coût par kilogramme de fibre comparé entre pays exportateurs montrent que, si l'on prend les pays qui sont les principaux producteurs de coton, c'est en Chine (continentale), au Brésil et au Pakistan, suivis de la Turquie et de l'Australie qu'il revient le moins cher de produire du coton. Les rendements élevés diminuent le coût par kg de fibre et les données pour les pays à rendement élevé — obtenant plus de 1 000 kg de fibre par hectare — indiquent que certaines parties de l'Afrique du Sud et de la Chine (continentale) produisent des rendements plus élevés à un coût minimum par kg de fibre.

Les données sur la structure des coûts de production indiquent que le coût des insecticides est jugulé. Les données pour 11 ensembles de conditions de production y compris les conditions irriguées et pluviales montrent que les insecticides et leurs coûts d'application sont inférieurs à 15% du total des coûts de production dans tous les pays exception faite de la Colombie.

Un des grands changements aux Etats-Unis concerne la mise en place d'un nouvel ensemble de régions de production. Les anciennes régions étaient délimitées par les frontières des états alors qu'un seul état peut regrouper plusieurs types de sols et différentes topographies. Les nouvelles régions sont déterminées en fonction de l'analogie des types d'exploitations entrecoupées par des zones avec les mêmes caractéristiques physiographiques, de sols et de climats. Pour de plus amples informations sur les nouvelles régions, prière de consulter <www.ers.usda.gov>

Les données sur le coût de production ont été présentées sous diverses formes. Mais, pour de plus amples détails sur tel ou tel intrant, il est recommandé de se rapporter aux réponses des divers pays données dans la dernière partie du rapport. Dans bien des cas, les réponses des pays indiquent également les prix et la quantité de la plupart des intrants.

M. Rafiq Chaudhry
Chef
Section de l'information technique

## Introducción

Los datos del CCIA constituyen la única fuente de información sobre el costo de producción de la fibra de algodón a nivel internacional. Durante varios años, las encuestas se hicieron a intervalos regulares pero en el último decenio, este informe se ha publicado a intervalos de tres años. El CCIA pidió a los países productores que proporcionaran datos para el año 2000/01. Sin embargo, los datos pertinentes a Australia, los EE.UU. y Mali corresponden a 1999/00. Veintiocho países proporcionaron información sobre la mayoría de los componentes del costo de producción de la fibra de algodón. Algunos países proporcionaron información para más de un conjunto de condiciones de producción, elevando así el número de respuestas a cincuenta y dos. El mismo cuestionario se ha usado en las últimas cuatro encuestas con el fin de mantener la comparabilidad de los datos recopilados.

Los datos se tienen que usar en forma cuidadosa. Las diferencias en las prácticas de producción, la variación entre los países en los sistemas para el suministro de los insumos, y el apoyo técnico y financiero, directo e indirecto, a los agricultores (en la forma de provisión gratuita de semilla, asesoría técnica, etc.), dificulta la comparación entre los países. Sobre la base de los datos presentados aquí queda claro que algunos países calculan los costos de oportunidad mientras que en otros no se dispone de esos datos. La importancia de los diferentes insumos es también diferente entre los diversos países y dificulta asimismo la comparación entre ellos. Los costos de los insumos individuales sí se pueden comparar de manera más confiable entre los países.

Respecto a China (continental), el costo de producción se da para el valle del río Amarillo pero dos regiones igualmente importantes son el valle del río Yangtze y la región noroccidental (Xinjiang). No se dispone de datos detallados para esas dos regiones pero se estima que el costo total en Xinjiang es cercano a los $US1.460 por hectárea y el ingreso total estimado sería de $US1.830 por la fibra y de $US290 por la semilla. Para el valle del río Yangtze, el costo total es de unos $US1.200 por hectárea, con un ingreso total de $US1.610 por la fibra y de $US190 por la semilla.

El arrendamiento de la tierra más elevado entre todos los países se encuentra en Egipto. Sin embargo, los costos en ese país son para un año completo, incluido el arrendamiento para un cultivo invernal que se siembra después del algodón.

En la mayoría de los casos, el precio de la semilla para la siembra incluye además el costo del tratamiento. Ello es también así para los países del Africa occidental, donde la semilla se suministra gratis a los agricultores y ya ha sido tratada, aun cuando es posible que no haya sido desborrada.

En Turquía, los costos de los insecticidas incluyen también los costos de los herbicidas. Lo mismo sucede en el caso de los EE.UU., donde los costos de los insecticidas incluyen además la defoliación, cuando se le aplica.

En algunos casos, el costo total es superior al valor del algodón en rama o al valor de la fibra más la semilla. Una posible razón de ese desequilibrio es la mano de obra familiar que se utiliza en las operaciones de las fincas, lo cual no es tomado en consideración por algunos países. En algunos países existen diferentes programas para brindar apoyo financiero a los agricultores que de lo contrario dejarían de producir algodón bajo condiciones normales.

El costo de producción puede haber variado o no respecto al año anterior. Ello depende de los precios internos, los cuales varían en forma más drásticas en algunos países que en otros. Por ende, los datos pertinentes a un número pequeño de países se pueden comparar con un nivel más elevado de confiabilidad que si se hace la comparación entre muchos países a la vez. Todavía hay muchos países cuyos datos no se pueden comparar.

No se dispone de información sobre el arrendamiento de la tierra para el algodón y ni el valor de la semilla vendida después del desmotado de muchos países. Por lo tanto, para fines de comparación entre los países, el arrendamiento de la tierra y el valor del algodón en rama se ha deducido del costo total y se le ha llamado “Costo Neto”. De manera similar, los gastos variables en efectivo y el costo del algodón en rama se determinan excluyendo el arrendamiento de la tierra. Como sucedió en la encuesta anterior, entre todos los países participantes en la encuesta, el costo neto por hectárea más alto es el de Israel. Sin embargo, los costos netos por kilogramo de fibra que más se acercan al de Israel son los de Kenya, Sudán, Siria y los EE.UU. La razón de ese costo por kilogramo más elevado es el alto costo por hectárea o los rendimientos bajos por hectárea. El costo por kilogramo de la fibra y del algodón en rama indica que los costos por kilogramo de ése último son menos variables entre los países.

De los veintiocho países participantes, Colombia es el que más gasta en la compra de semilla para la siembra debido a que es importada. Siria es el país que más gasta en las operaciones para el control de las malezas. Los costos para el control de los insectos son más elevados en las regiones que están surgiendo para la producción algodonera en Brasil. China (continental) gasta más dinero en fertilizantes que todos los demás países participantes en la encuesta. Los costos de irrigación más elevados son los de Siria e Israel, debido a la escasez de agua de riego. Los costos de la recolección y el desmotado por hectárea también varían en forma marcada entre los países. Sólo se dispone de datos sobre el costo fijo de diez países.

Los datos pertinentes al costo por kilogramo de fibra comparados entre los países exportadores demuestran que, entre todos los principales productores, la producción algodonera es menos costosa en China (continental), Brasil y Pakistán, seguidos por Turquía y Australia. Los rendimientos elevados reducen el costo por kilogramo de fibra, y los datos de los países con altos rendimientos (más de 1.000 kilogramos de fibra por hectárea) indican que algunas partes de Sudáfrica y China (continental) producen rendimientos más elevados a un costo mínimo por kilogramo de fibra.

Los datos sobre la estructura de los costos de producción indican que el costo de los insecticidas se ha contenido. Los datos para once grupos de condiciones de producción, incluidas las condiciones bajo riego y de secano, demostraron que los insecticidas y sus costos de aplicación representan menos del 15% de los costos totales de producción en todos los países, exceptuada Colombia.

Uno de los principales cambios en los EE.UU. fue la institución de un nuevo conjunto de regiones productoras. Las regiones anteriores se basaban en límites estatales, si bien un solo estado puede comprender diferentes topografías y tipos de suelos. Las nuevas regiones se basan en la similitud en los tipos de fincas subdivididas en zonas de características fisiográficas, de suelos y de condiciones meteorológicas similares. Se puede obtener más información sobre las nuevas regiones en la siguiente dirección electrónica: <www.ers.usda.gov >

Los datos sobre el costo de producción se han presentado en diferentes formas. No obstante, para ulteriores detalles sobre cualquiera de los insumos, por favor refiérase a las respuestas de los países que aparecen al final del informe. En muchos casos, las respuestas de los países indican además el precio y la cantidad de la mayoría de los insumos.

M. Rafiq Chaudhry
Jefe
Sección de Información Técnica

# Legend to Graphs and Exchange Rate

| Country/Region | Legend | Exchange Rate Per US$ |
|---|---|---|
| Argentina, Santiago del Estero (Irrigated) | AR1 | 1.0 Pesos |
| Argentina, Rainfed | AR2 | 1.0 Pesos |
| Australia, Irrigated Upland | AU1 | 0.5 Australian Dollars |
| Benin, North Zou | BJ1 | 700.00 CFA |
| Benin, South Zou | BJ2 | 700.00 CFA |
| Benin, Borgou-Atacora | BJ3 | 700.00 CFA |
| Bolivia, Santa Cruz | BO | 6.66 Bolivianos |
| Brazil, Cerrado | BR1 | 2.15 Reais |
| Brazil, Semi Arid | BR2 | 2.15 Reais |
| Bulgaria | BG | 2.1 Bulgarian Leva |
| Burkina Faso | BF | 700.00 CFA |
| Cameroon | CM | 700.00 CFA |
| China (Mainland), Yellow River Valley | CN1 | 8.27 Yuan |
| Colombia, Atlantic Coast | CO1 | 2,187.02 Pesos |
| Egypt | EG | 4.0 Egyptian Pounds |
| India, North Zone, Irrigated | IN1 | 46.00 Rupees |
| India, Central Zone, Irrigated (G. hirsutum) | IN2 | 46.00 Rupees |
| India, Central Zone, Rainfed (G. hirsutum) | IN3 | 46.00 Rupees |
| India, South Zone, Irrigated (G. hirsutum) | IN4 | 46.00 Rupees |
| India, South Zone, Irrigated (Interspecific hybrids) | IN5 | 46.00 Rupees |
| India, South Zone, Rainfed (G. hirsutum, G. arboreum, G. herbaceum) | IN6 | 46.00 Rupees |
| Iran | IR | 7,900.00 Rials |
| Israel, Upland (Drip Irrigated) | IL1 | 4.2 Shekels |
| Israel, Pima (Drip Irrigated) | IL2 | 4.2 Shekels |
| Kenya | KE | 80.00 Shillings |
| Mali | ML | 736.00 CFA |
| Nigeria | NG | 115.00 Naira |
| Pakistan, Punjab | PK1 | 62.00 Rupees |
| Philippines, Luzon | PH | 50.5 Pesos |
| South Africa, North West Province (Rainfed) | ZA1 | 8.00 Rands |
| South Africa, Northern Cape (Irrigated) | ZA2 | 8.00 Rands |
| South Africa, Mpumalanga - Marble Hall (Irrigated) | ZA3 | 8.00 Rands |
| South Africa, N. Province - Spring Bok Flats (Skip Row, Rainfed) | ZA4 | 8.00 Rands |
| South Africa, N. Cape Province - Lower Orange River (Irrigated) | ZA5 | 8.00 Rands |
| South Africa, Northern Province/Mpumalanga (Rainfed) | ZA6 | 8.00 Rands |
| South Africa, Northern Province/Mpumalanga (Irrigated) | ZA7 | 8.00 Rands |
| Sudan, Gezira | SD1 | 257.00 Sudanese Dinars |
| Syria | SY | 50.0 Syrian Lira |
| Tanzania, Western Cotton Growing Area (Rainfed) | TZ1 | 800.00 Shillings |
| Tanzania, Eastern Cotton Growing Area | TZ2 | 800.00 Shillings |
| Thailand, Central Zone | TH | 40.00 Baht |
| Turkey, Aegean | TR1 | 653,313.00 Liras |
| Turkey, Çukurova | TR2 | 653,313.00 Liras |
| Uganda | UG | 1,770.00 Shillings |
| USA, National Average | US | 1.0 US$ |
| USA, Heartland | US1 | 1.0 US$ |
| USA, Mississippi Portal | US2 | 1.0 US$ |
| USA, Fruitful Rim | US3 | 1.0 US$ |
| USA, Prairie Gateway | US4 | 1.0 US$ |
| USA, Southern Seaboard | US5 | 1.0 US$ |
| Zimbabwe, Communal Dryland | ZW1 | 56.00 Zimbabwean Dollars |
| Zimbabwe, Commercial Irrigated | ZW2 | 56.00 Zimbabwean Dollars |

# TOTAL COST

# Cost of Producing One Hectare of Cotton (US$)

**(Excluding Land Rent and Seed Value)**

| Country/Region | Cost of Seedcotton | | Variable Cash Expenses | | Net Cost | |
|---|---|---|---|---|---|---|
| | Per Ha | Per Kg | Per Ha | Per Kg | Per Ha | Per Kg |
| Argentina, Santiago del Estero (Irrigated) | 356.56 | 0.18 | 441.56 | 0.67 | 540.87 | 0.82 |
| Argentina, Rainfed | 309.84 | 0.22 | 376.76 | 0.87 | 510.76 | 1.18 |
| Australia, Irrigated Upland | 741.50 | | 811.00 | 0.54 | 1,507.50 | 1.01 |
| Benin, North Zou | 319.32 | 0.21 | 437.47 | 0.68 | 443.04 | 0.69 |
| Benin, South Zou | 286.98 | 0.19 | 407.99 | 0.63 | 412.13 | 0.64 |
| Benin, Borgou-Atacora | 321.11 | 0.21 | 440.68 | 0.68 | 446.25 | 0.69 |
| Bolivia, Santa Cruz | 500.21 | | 641.21 | | 657.21 | |
| Brazil, Cerrado | 1,052.61 | 0.36 | 713.11 | 0.59 | 719.97 | 0.60 |
| Brazil, Semi Arid | 368.20 | 0.32 | | | | |
| Bulgaria | 265.77 | 0.37 | 156.52 | 0.62 | 175.73 | 0.69 |
| Burkina Faso | 215.74 | 0.22 | | | | |
| Cameroon | 241.14 | | | | | |
| China (Mainland), Yellow River Valley | 788.69 | | 586.13 | 0.46 | 645.98 | 0.51 |
| Colombia, Atlantic Coast | 886.77 | 0.35 | 786.80 | | 978.03 | |
| Egypt | 921.25 | | | | | |
| India, North Zone, Irrigated | 496.08 | 0.33 | | | | |
| India, Central Zone, Irrigated (G. hirsutum) | 396.74 | 0.26 | | | | |
| India, Central Zone, Rainfed (G. hirsutum) | 242.83 | 0.30 | | | | |
| India, South Zone, Irrigated (G. hirsutum) | 494.35 | 0.29 | | | | |
| India, South Zone, Irrigated (Interspecific hybrids) | 583.91 | 0.45 | | | | |
| India, South Zone, Rainfed (G. hirsutum, arboreum, herbaceum) | 255.87 | 0.32 | | | | |
| Iran | 433.54 | 0.22 | 363.76 | 0.62 | 538.88 | 0.91 |
| Israel, Upland (Drip Irrigated) | 1,450.00 | 0.27 | 1,171.80 | 0.64 | 2,488.47 | 1.36 |
| Israel, Pima (Drip Irrigated) | 1,557.38 | 0.32 | 1,487.16 | 0.91 | 2,803.83 | 1.72 |
| Kenya | | | | | | |
| Mali | 196.09 | 0.21 | | | | |
| Nigeria | 420.70 | | 492.95 | | | |
| Pakistan, Punjab | 554.99 | 0.25 | 462.62 | 0.63 | 577.32 | 0.79 |
| Philippines, Luzon | 629.90 | 0.21 | 773.66 | 0.68 | 826.99 | 0.73 |
| South Africa, North West Province (Rainfed) | 241.64 | 0.27 | | | | |
| South Africa, Northern Cape (Irrigated) | 912.87 | 0.26 | | | | |
| South Africa, Mpumalanga - Marble Hall (Irrigated) | 787.25 | | | | | |
| South Africa, N. Province - Spring Bok Flats (Skip Row, Rainfe | 139.18 | | | | | |
| South Africa, N. Cape Province - Lower Orange River (Irrigated | 539.26 | 0.18 | | | | |
| South Africa, Northern Province/Mpumalanga (Rainfed) | 262.63 | 0.35 | 303.50 | 0.40 | | |
| South Africa, Northern Province/Mpumalanga (Irrigated) | 928.63 | 0.25 | 1,130.28 | 0.83 | | |
| Sudan, Gezira | 446.60 | | 449.49 | 1.28 | 467.87 | 1.33 |
| Syria | 1,460.06 | 0.41 | 1,405.26 | 1.15 | 1,595.26 | 1.30 |
| Tanzania, Western Cotton Growing Area (Rainfed) | 173.75 | 0.17 | | | | |
| Tanzania, Eastern Cotton Growing Area | 193.13 | 0.16 | | | | |
| Thailand, Central Zone | 645.47 | 0.34 | 607.34 | 0.97 | 622.97 | 1.00 |
| Turkey, Aegean | 823.58 | 0.25 | 809.69 | 0.64 | 1,119.18 | 0.88 |
| Turkey, Çukurova | 943.43 | 0.30 | 934.72 | 0.77 | 1,207.86 | 1.00 |
| Uganda | 166.10 | 0.15 | | | | |
| USA, National Average | 553.60 | | 583.06 | 0.89 | 976.22 | 1.49 |
| USA, Heartland | 452.64 | | 464.04 | 0.64 | 903.73 | 1.24 |
| USA, Mississippi Portal | 588.94 | | 600.19 | 0.79 | 1,053.85 | 1.39 |
| USA, Fruitful Rim | 1,009.87 | | 1,018.15 | 0.91 | 1,471.33 | 1.32 |
| USA, Prairie Gateway | 374.95 | | 400.55 | 0.89 | 748.07 | 1.66 |
| USA, Southern Seaboard | 570.90 | | 598.74 | 0.94 | 972.95 | 1.53 |
| Zimbabwe, Communal Dryland | 237.52 | 0.24 | 293.95 | 0.73 | 293.95 | 0.73 |
| Zimbabwe, Commercial Irrigated | 646.34 | 0.22 | 798.49 | 0.67 | 1,185.99 | 0.99 |

# Cost of Producing One Hectare of Cotton (US$)

| Country/Region | Pre-sowing | Sowing | Growing | Harvesting | Ginning | Economic | Fixed | Total |
|---|---|---|---|---|---|---|---|---|
| Argentina, Santiago del Estero (Irrigated) | 44.61 | 72.32 | 112.19 | 127.44 | 140.00 | 99.31 | | 595.87 |
| Argentina, Rainfed | 42.31 | 55.89 | 97.85 | 113.79 | 97.16 | 76.00 | 58.00 | 541.00 |
| Australia, Irrigated Upland | 31.50 | 22.50 | 582.50 | 105.00 | 226.00 | 682.50 | 14.00 | 1,664.00 |
| Benin, North Zou | 116.07 | 14.29 | 158.61 | 51.79 | 152.86 | 5.57 | | 499.19 |
| Benin, South Zou | 104.02 | 17.86 | 148.14 | 38.39 | 155.71 | 4.14 | | 468.26 |
| Benin, Borgou-Atacora | 116.07 | 16.07 | 158.61 | 51.79 | 154.29 | | 5.58 | 502.41 |
| Bolivia, Santa Cruz | 70.45 | 103.75 | 209.80 | 146.20 | 141.00 | 16.00 | | 687.20 |
| Brazil, Cerrado | 66.98 | 160.15 | 725.49 | 100.00 | 85.50 | 6.86 | | 1,144.98 |
| Brazil, Semi Arid | 37.20 | 14.80 | 195.30 | 120.90 | | | | 368.20 |
| Bulgaria | 61.87 | 108.82 | 57.05 | 38.10 | 111.44 | 12.33 | 6.88 | 396.49 |
| Burkina Faso | 25.00 | 6.21 | 149.53 | 35.00 | | | | 215.74 |
| Cameroon | 50.00 | 25.00 | 116.14 | 71.43 | | | | 262.57 |
| China (Mainland), Yellow River Valley | 63.48 | 311.06 | 305.32 | 108.83 | 64.43 | 9.07 | 50.79 | 912.98 |
| Colombia, Atlantic Coast | 68.59 | 164.15 | 516.66 | 205.97 | 120.03 | 191.23 | | 1,266.63 |
| Egypt | 765.00 | 112.50 | 397.50 | 387.50 | | | 100.00 | 1,762.50 |
| India, North Zone, Irrigated | 123.48 | 52.83 | 190.43 | 205.43 | | 77.80 | | 649.97 |
| India, Central Zone, Irrigated (G. hirsutum) | 80.00 | 54.35 | 173.26 | 143.48 | | 59.67 | | 510.76 |
| India, Central Zone, Rainfed (G. hirsutum) | 44.78 | 59.78 | 81.74 | 78.26 | | 37.61 | | 302.17 |
| India, South Zone, Irrigated (G. hirsutum) | 81.30 | 60.87 | 226.96 | 179.57 | | 65.52 | | 614.22 |
| India, South Zone, Irrigated (Interspecific hybrids) | 85.65 | 77.39 | 320.00 | 155.22 | | 92.65 | | 730.91 |
| India, South Zone, Rainfed (G. hirsutum & diploid spp.) | 50.00 | 60.87 | 83.04 | 83.70 | | 36.59 | | 314.20 |
| Iran | 243.67 | 90.23 | 199.56 | 102.61 | 64.41 | 175.12 | | 875.60 |
| Israel, Upland (Drip Irrigated) | 192.62 | 205.00 | 927.98 | 217.26 | 301.67 | 769.05 | 547.62 | 3,161.20 |
| Israel, Pima (Drip Irrigated) | 192.62 | 225.24 | 1,003.21 | 229.17 | 365.48 | 769.05 | 547.62 | 3,332.39 |
| Kenya | 84.38 | 33.75 | 139.50 | | 29.19 | | | 286.82 |
| Mali | 43.82 | 44.77 | 60.62 | 46.88 | | | 26.31 | 222.40 |
| Nigeria | 43.48 | 132.00 | 224.35 | 20.87 | 72.46 | | | 493.16 |
| Pakistan, Punjab | 203.11 | 114.90 | 335.37 | 62.90 | 65.65 | 114.70 | | 896.63 |
| Philippines, Luzon | 3.96 | 131.09 | 315.15 | 179.70 | 199.01 | 26.28 | 27.05 | 882.24 |
| South Africa, North West Province (Rainfed) | 20.00 | 73.44 | 83.08 | 65.13 | 6.80 | 21.63 | 50.75 | 320.83 |
| South Africa, Northern Cape (Irrigated) | 63.75 | 182.00 | 487.12 | 180.00 | 31.38 | 84.88 | 189.50 | 1,218.63 |
| South Africa, Mpumalanga - Marble Hall (Irrigated) | 80.38 | 188.19 | 400.06 | 143.63 | | 31.25 | | 843.51 |
| South Africa, N. Province - Spring Bok Flats (Rainfed) | 36.88 | 22.55 | 62.25 | 40.00 | | 31.25 | | 192.93 |
| South Africa, N. Cape Province - Lower Orange River (Irri) | 33.46 | 157.63 | 172.11 | 176.06 | | 39.88 | 181.21 | 760.35 |
| South Africa, Northern Province/Mpumalanga (Rainfed) | 62.50 | 57.63 | 97.50 | 70.00 | 75.00 | | | 362.63 |
| South Africa, Northern Province/Mpumalanga (Irrigated) | 71.88 | 122.38 | 468.13 | 291.25 | 370.00 | | | 1,323.64 |
| Sudan, Gezira | 70.65 | 103.34 | 195.25 | 77.34 | 161.53 | 18.38 | | 626.49 |
| Syria | 454.00 | 160.00 | 725.56 | 433.50 | 280.00 | 190.00 | | 2,243.06 |
| Tanzania, Western Cotton Growing Area (Rainfed) | 31.25 | 8.13 | 103.13 | 31.25 | | | | 173.76 |
| Tanzania, Eastern Cotton Growing Area | 43.75 | 20.63 | 96.88 | 31.88 | 21.88 | 4.69 | 25.00 | 244.71 |
| Thailand, Central Zone | 85.94 | 200.79 | 290.94 | 145.94 | 55.63 | 15.63 | | 794.87 |
| Turkey, Aegean | 294.65 | 91.86 | 397.28 | 248.73 | 259.15 | 309.49 | | 1,601.16 |
| Turkey, Çukurova | 351.29 | 105.62 | 422.46 | 293.66 | 251.79 | 273.14 | | 1,697.96 |
| Uganda | 56.78 | 50.85 | 58.76 | 12.43 | 52.68 | 40.51 | 44.35 | 316.36 |
| USA, National Average | 128.10 | 45.34 | 508.26 | | 131.16 | 393.16 | | 1,206.02 |
| USA, Heartland | 140.13 | 23.00 | 428.84 | | 135.04 | 439.69 | | 1,166.70 |
| USA, Mississippi Portal | 145.39 | 47.99 | 540.95 | | 133.11 | 453.65 | | 1,321.09 |
| USA, Fruitful Rim | 341.10 | 57.28 | 952.60 | | 219.03 | 453.18 | | 2,023.19 |
| USA, Prairie Gateway | 54.68 | 39.83 | 335.12 | | 102.82 | 347.52 | | 879.97 |
| USA, Southern Seaboard | 112.53 | 46.01 | 524.89 | | 128.64 | 374.21 | | 1,186.28 |
| Zimbabwe, Communal Dryland | 42.86 | 64.25 | 90.95 | 39.46 | 119.64 | | | 357.16 |
| Zimbabwe, Commercial Irrigated | 80.80 | 185.66 | 242.38 | 137.50 | 341.79 | 387.50 | | 1,375.63 |

# Cost of Producing One Hectare of Irrigated Cotton (US$)

| Operation/Item | Argentina Santiago | Australia | China (M) Yellow River | Egypt | India North | India Central | India South | India South, Hybrids |
|---|---|---|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | | | | |
| Land rent for cotton | | | | 741.25 | 76.09 | 54.35 | 54.35 | 54.35 |
| Land revenue/tax | 2.85 | | | | | | | |
| Pre-soaking irrigation | 12.00 | | 18.14 | 5.00 | 3.91 | 2.61 | 3.04 | 3.04 |
| Ploughing | 13.02 | 31.50 | 27.21 | 5.00 | 43.48 | 10.87 | 10.87 | 10.87 |
| Planking | 11.16 | | 18.14 | 5.00 | | | | |
| Other | 5.58 | | | | | 12.17 | 13.04 | 17.39 |
| **Sub-total** | **44.61** | **31.50** | **63.48** | **756.25** | **123.48** | **80.00** | **81.30** | **85.65** |
| **2. SOWING** | | | | | | | | |
| Soaking irrigation | | | 18.14 | 5.00 | | | | |
| Land preparation | 24.16 | | 27.21 | | | | | |
| Seed | 23.80 | 22.50 | 54.41 | 37.50 | 10.43 | 17.39 | 8.70 | 32.61 |
| Seed treatment | | | | 2.50 | | | | |
| Herbicides (Pre-sowing) | 13.20 | | 14.51 | 5.00 | | | | |
| Fertilizer (Basal dose) | 0.00 | | 171.40 | 37.50 | 32.61 | 23.91 | 36.96 | 32.61 |
| Drilling | 11.16 | | 25.39 | 25.00 | 9.78 | 13.04 | 15.22 | 12.17 |
| Other | | | | | | | | |
| **Sub-total** | **72.32** | **22.50** | **311.06** | **112.50** | **52.83** | **54.35** | **60.87** | **77.39** |
| **3. GROWING** | | | | | | | | |
| Thinning | | | 9.07 | 20.00 | | | | |
| Weeding | 24.00 | | 3.63 | 10.00 | 48.91 | 26.09 | 45.65 | 45.65 |
| Hoeing | 9.30 | 42.00 | 18.14 | 75.00 | 17.39 | 9.13 | 18.26 | 22.83 |
| Herbicides (Post-sowing) | 24.33 | 75.50 | 14.51 | 5.00 | | | | |
| Fertilizer (Total) | | 95.00 | 81.62 | 175.00 | 16.30 | 21.74 | 9.78 | 45.65 |
| Irrigation | 24.00 | 35.00 | 18.14 | 50.00 | 13.04 | 7.83 | 15.22 | 22.83 |
| Insecticides | 30.56 | 284.50 | 114.87 | 62.50 | 86.96 | 95.22 | 105.43 | 139.57 |
| Defoliation | | 43.00 | | | 7.83 | 7.83 | | |
| Other | | 7.50 | 45.34 | | | 5.43 | 32.61 | 43.48 |
| **Sub-total** | **112.19** | **582.50** | **305.32** | **397.50** | **190.43** | **173.26** | **226.96** | **320.00** |
| **4. HARVESTING** | | | | | | | | |
| Picking cost | | | | | | | | |
| a.Hand picking (%) | | | 81.62 | 375.00 | 195.65 | 130.43 | 167.39 | 140.00 |
| b.Machine picking (%) | 120.00 | 99.00 | | | | | | |
| Stick cutting/slashing | 7.44 | | 18.14 | 12.50 | 9.78 | 13.04 | 12.17 | 15.22 |
| Other | | 6.00 | 9.07 | | | | | |
| **Sub-total** | **127.44** | **105.00** | **108.83** | **387.50** | **205.43** | **143.48** | **179.57** | **155.22** |
| **Seed Cotton Costs** | **356.56** | **741.50** | **788.69** | **1,653.75** | **572.17** | **451.09** | **548.70** | **638.26** |
| **5. GINNING** | | | | | | | | |
| Transportation to gin factory | 20.00 | 33.50 | 3.63 | | | | | |
| Ginning (Including bagging) | 100.00 | 192.50 | 56.77 | | | | | |
| Classing/grading charges | 11.00 | | | | | | | |
| Other | 9.00 | | 4.03 | | | | | |
| **Sub-total** | **140.00** | **226.00** | **64.43** | | | | | |
| **Variable Cash Costs** | **496.56** | **967.50** | **853.12** | | **572.17** | **451.09** | **548.70** | **638.26** |
| **6. ECONOMIC COSTS** | | | | | | | | |
| Management and administrative | 99.31 | 46.00 | | | 43.48 | 32.61 | 32.61 | 54.35 |
| Interest on capital invested | | 99.50 | | | 34.33 | 27.07 | 32.91 | 38.30 |
| All repairs | | 98.50 | 9.07 | | | | 0.00 | |
| General farm overheads | | 194.50 | | | | | 0.00 | |
| Other | | 244.00 | | | | | 0.00 | |
| **Sub-total** | **99.31** | **682.50** | **9.07** | | **77.80** | **59.67** | **65.52** | **92.65** |
| **7. FIXED COSTS** | | | | | | | | |
| Power supply | | 14.00 | 5.44 | 25.00 | | | | |
| Irrigation system at the farm | | | 18.14 | | | | | |
| Tractors | | | 27.21 | 25.00 | | | | |
| Spray machinery | | | | 25.00 | | | | |
| Farm implements | | | | 25.00 | | | | |
| Other | | | | | | | | |
| **Sub-total** | | **14.00** | **50.79** | **100.00** | | | | |
| **8. TOTAL COST** | **595.87** | **1,664.00** | **912.97** | **1,753.75** | **649.98** | **510.76** | **614.22** | **730.91** |
| **9. VALUE OF SEED COTTON** | **550.00** | | | **1,800.00** | **717.39** | **717.39** | **923.91** | **989.13** |
| **10. NET VALUE OF LINT** | **726.00** | **1,767.50** | **1,726.72** | **1,574.20** | **665.22** | **665.22** | **879.57** | **963.70** |
| **11. NET VALUE OF SEED** | **55.00** | **156.50** | **266.99** | **225.00** | **322.83** | **322.83** | **365.87** | **292.50** |

# Cost of Producing One Hectare of Irrigated Cotton (US$)

| Operation/Item | Iran | Israel | | Pakistan | Philippines | S. Africa | | |
|---|---|---|---|---|---|---|---|---|
| | | Upland | Pima | Punjab | Luzon | N. Cape | Mpumal. | N.Cape,LOR |
| **1. PRE-SOWING** | | | | | | | | |
| Land rent for cotton | 202.53 | 92.86 | 92.86 | 161.29 | | | 25.00 | |
| Land revenue/tax | | | | 4.13 | 3.96 | | | 2.36 |
| Pre-soaking irrigation | 22.15 | 50.00 | 50.00 | 10.08 | | 3.75 | 21.25 | 3.10 |
| Ploughing | 18.99 | 24.05 | 24.05 | 21.16 | | 20.00 | 13.13 | 24.46 |
| Planking | | 12.86 | 12.86 | 2.42 | | 4.38 | 2.63 | 3.54 |
| Other | | 12.86 | 12.86 | 4.03 | | 35.63 | 18.38 | |
| **Sub-total** | **243.67** | **192.62** | **192.62** | **203.11** | **3.96** | **63.75** | **80.38** | **33.46** |
| **2. SOWING** | | | | | | | | |
| Soaking irrigation | 22.15 | 30.00 | 30.00 | 13.44 | | 2.50 | 5.31 | 3.10 |
| Land preparation | 25.32 | 15.00 | 15.00 | 11.29 | 39.60 | 4.38 | 2.63 | 7.23 |
| Seed | 13.10 | 83.33 | 103.57 | 16.58 | 5.94 | 72.00 | 23.75 | 24.00 |
| Seed treatment | 1.31 | | | 14.52 | | | 16.88 | |
| Herbicides (Pre-sowing) | 5.70 | 24.76 | 24.76 | 24.19 | | 7.50 | 65.00 | 4.95 |
| Fertilizer (Basal dose) | 15.06 | 42.86 | 42.86 | 28.83 | 38.02 | 71.25 | 70.00 | 114.39 |
| Drilling | 7.59 | 9.05 | 9.05 | 6.05 | 11.88 | | | 3.96 |
| Other | | | | | 35.64 | 24.38 | 4.63 | |
| **Sub-total** | **90.23** | **205.00** | **225.24** | **114.90** | **131.09** | **182.00** | **188.19** | **157.63** |
| **3. GROWING** | | | | | | | | |
| Thinning | 18.99 | | | 4.03 | 5.94 | 12.50 | 0.63 | 25.81 |
| Weeding | 47.47 | 36.67 | 36.67 | 20.97 | 29.70 | 37.50 | 0.50 | 12.90 |
| Hoeing | | 80.48 | 80.48 | 24.19 | 19.80 | | | 3.64 |
| Herbicides (Post-sowing) | | 20.36 | 20.36 | | | 9.38 | 10.75 | |
| Fertilizer (Total) | 5.38 | 82.14 | 82.14 | 42.34 | 30.00 | 96.88 | 43.75 | 21.55 |
| Irrigation | 66.46 | 450.00 | 480.00 | 117.58 | 71.29 | 36.25 | 47.81 | 24.77 |
| Insecticides | 61.27 | 226.19 | 271.43 | 119.00 | 158.42 | 67.50 | 130.38 | 56.42 |
| Defoliation | | 32.14 | 32.14 | | | 28.37 | 26.25 | 27.02 |
| Other | | | | 7.26 | 0.00 | 198.75 | 140.00 | |
| **Sub-total** | **199.56** | **927.98** | **1,003.21** | **335.37** | **315.15** | **487.12** | **400.06** | **172.11** |
| **4. HARVESTING** | | | | | | | | |
| Picking cost | | | | | | | | |
| a.Hand picking (%) | 97.72 | | | 53.23 | 127.72 | | 143.63 | 174.19 |
| b.Machine picking (%) | | 207.14 | 219.05 | | | 171.50 | | |
| Stick cutting/slashing | | 10.12 | 10.12 | 9.68 | 35.64 | 8.50 | | 1.87 |
| Other | 4.89 | | | | 16.34 | | | |
| **Sub-total** | **102.61** | **217.26** | **229.17** | **62.90** | **179.70** | **180.00** | **143.63** | **176.06** |
| **Seed Cotton Costs** | **636.07** | **1,542.86** | **1,650.24** | **716.28** | **629.90** | **912.87** | **812.25** | **539.26** |
| **5. GINNING** | | | | | | | | |
| Transportation to gin factory | 12.22 | 38.57 | 34.29 | 8.87 | 29.70 | | | |
| Ginning (Including bagging) | 51.07 | 250.71 | 320.00 | 56.77 | 169.31 | | | |
| Classing/grading charges | 1.12 | 12.38 | 11.19 | | | | | |
| Other | | | | | | 31.38 | | |
| **Sub-total** | **64.41** | **301.67** | **365.48** | **65.65** | **199.01** | **31.38** | | |
| **Variable Cash Costs** | **700.47** | **1,844.52** | **2,015.71** | **781.92** | **828.91** | **944.25** | | |
| **6. ECONOMIC COSTS** | | | | | | | | |
| Management and administrative | 105.07 | 28.57 | 28.57 | 16.94 | | 5.00 | | 13.09 |
| Interest on capital invested | 70.05 | 59.52 | 59.52 | 97.76 | 19.03 | 32.38 | | |
| All repairs | | 70.24 | 70.24 | | 7.25 | 20.00 | 31.25 | 26.79 |
| General farm overheads | | 77.38 | 77.38 | | | 27.50 | | |
| Other | | 533.33 | 533.33 | | | | | |
| **Sub-total** | **175.12** | **769.05** | **769.05** | **114.70** | **26.28** | **84.88** | **31.25** | **39.88** |
| **7. FIXED COSTS** | | | | | | | | |
| Power supply | | | | | | 7.50 | | |
| Irrigation system at the farm | | 297.62 | 297.62 | | 21.11 | 131.25 | | 154.84 |
| Tractors | | 250.00 | 250.00 | | | 33.25 | | 13.90 |
| Spray machinery | | | | | 5.94 | 3.75 | | 4.23 |
| Farm implements | | | | | | 13.75 | | 8.25 |
| Other | | | | | | | | |
| **Sub-total** | | **547.62** | **547.62** | | **27.05** | **189.50** | | **181.21** |
| **8. TOTAL COST** | **875.59** | **3,161.19** | **3,332.38** | **896.62** | **882.24** | **1,218.62** | **843.50** | **760.35** |
| **9. VALUE OF SEED COTTON** | **781.77** | **3,407.14** | **4,205.71** | **887.10** | **1,188.12** | **1,181.25** | | **1,087.74** |
| **10. NET VALUE OF LINT** | **708.29** | **2,828.31** | **3,769.14** | **724.28** | **1,241.58** | | | **1,431.25** |
| **11. NET VALUE OF SEED** | **134.18** | **579.86** | **435.69** | **158.01** | **55.25** | | | **235.20** |

# Cost of Producing One Hectare of Irrigated Cotton (US$)

| Operation/Item | South Africa | Sudan | Syria | Turkey | | USA | Zimbabwe |
|---|---|---|---|---|---|---|---|
| | N. Province | Gezira | | Aegean | Çukurova | Fruitful Rim | Commercial |
| **1. PRE-SOWING** | | | | | | | |
| Land rent for cotton | 25.00 | 0.02 | 313.00 | 208.94 | 229.60 | 341.10 | |
| Land revenue/tax | | 2.96 | | | | | |
| Pre-soaking irrigation | 9.38 | 2.30 | 60.00 | | | | 19.73 |
| Ploughing | 37.50 | 54.16 | 69.00 | 85.72 | 121.69 | | 40.71 |
| Planking | | 7.47 | 12.00 | | | | |
| Other | | 3.74 | | | | | 20.36 |
| **Sub-total** | **71.88** | **70.65** | **454.00** | **294.65** | **351.29** | **341.10** | **80.80** |
| **2. SOWING** | | | | | | | |
| Soaking irrigation | 12.50 | 2.30 | | | | | 19.73 |
| Land preparation | 31.25 | 4.67 | 22.00 | 39.18 | 48.22 | | 27.14 |
| Seed | 18.00 | 6.56 | 20.00 | 19.61 | 22.96 | 57.28 | 18.93 |
| Seed treatment | | 8.78 | | | | | |
| Herbicides (Pre-sowing) | 50.00 | 23.35 | 20.00 | | | | 36.71 |
| Fertilizer (Basal dose) | 10.63 | 41.81 | 68.00 | | | | 83.14 |
| Drilling | | 7.94 | 30.00 | 33.06 | 34.44 | | |
| Other | | 7.94 | | | | | |
| **Sub-total** | **122.38** | **103.34** | **160.00** | **91.86** | **105.62** | **57.28** | **185.66** |
| **3. GROWING** | | | | | | | |
| Thinning | 18.75 | 7.94 | 27.36 | 34.10 | 45.92 | | 4.50 |
| Weeding | 11.25 | 3.74 | 115.20 | | | | 30.00 |
| Hoeing | 18.75 | 25.21 | | 86.10 | 91.84 | | |
| Herbicides (Post-sowing) | | | | | | | 15.36 |
| Fertilizer (Total) | 191.25 | | 38.00 | 73.14 | 93.37 | 70.97 | 50.32 |
| Irrigation | 50.00 | 27.63 | 540.00 | 70.02 | 86.48 | 113.72 | 78.93 |
| Insecticides | 96.88 | 130.74 | 5.00 | 110.97 | 74.24 | 227.60 | 54.36 |
| Defoliation | 62.50 | | | | | | |
| Other | 18.75 | | | 22.96 | 30.61 | 540.31 | 8.92 |
| **Sub-total** | **468.13** | **195.25** | **725.56** | **397.28** | **422.46** | **952.60** | **242.38** |
| **4. HARVESTING** | | | | | | | |
| Picking cost | | | | | | | |
| a.Hand picking (%) | 277.50 | 63.03 | 396.00 | 248.73 | 293.66 | | 83.04 |
| b.Machine picking (%) | | | | | | | |
| Stick cutting/slashing | 13.75 | 10.12 | | | | | 27.14 |
| Other | | 4.20 | 37.50 | | | | 27.32 |
| **Sub-total** | **291.25** | **77.35** | **433.50** | **248.73** | **293.66** | | **137.50** |
| **Seed Cotton Costs** | **953.63** | **446.60** | **1,773.06** | **1,032.52** | **1,173.03** | **1,350.97** | **646.34** |
| **5. GINNING** | | | | | | | |
| Transportation to gin factory | 69.38 | 28.02 | 90.00 | 10.41 | 14.54 | | 9.64 |
| Ginning (Including bagging) | 300.63 | 101.97 | 180.00 | 248.73 | 237.25 | 219.03 | 300.00 |
| Classing/grading charges | | 0.75 | 10.00 | | | | 32.14 |
| Other | | 30.81 | | | | | |
| **Sub-total** | **370.00** | **161.55** | **280.00** | **259.15** | **251.79** | **219.03** | **341.79** |
| **Variable Cash Costs** | **1,323.63** | **608.14** | **2,053.06** | **1,291.67** | **1,424.82** | **1,570.00** | **988.13** |
| **6. ECONOMIC COSTS** | | | | | | | |
| Management and administrative | | | 60.00 | 40.37 | 35.63 | | |
| Interest on capital invested | | 17.74 | 30.00 | 269.12 | 237.51 | 25.55 | |
| All repairs | | | 100.00 | | | 62.15 | |
| General farm overheads | | | | | | 83.42 | 387.50 |
| Other | | 0.63 | | | | 282.06 | |
| **Sub-total** | | **18.38** | **190.00** | **309.49** | **273.14** | **453.18** | **387.50** |
| **7. FIXED COSTS** | | | | | | | |
| Power supply | | | | | | | |
| Irrigation system at the farm | | | | | | | |
| Tractors | | | | | | | |
| Spray machinery | | | | | | | |
| Farm implements | | | | | | | |
| Other | | | | | | | |
| **Sub-total** | | | | | | | |
| **8. TOTAL COST** | **1,323.63** | **626.52** | **2,243.06** | **1,601.16** | **1,697.96** | **2,023.18** | **1,375.63** |
| **9. VALUE OF SEED COTTON** | **1,271.88** | | **2,088.00** | **1,989.86** | **1,518.41** | | **1,178.57** |
| **10. NET VALUE OF LINT** | **1,540.13** | **663.49** | **2,105.28** | **1,721.84** | **1,415.22** | **1,326.85** | **1,375.66** |
| **11. NET VALUE OF SEED** | **168.35** | **158.63** | **334.80** | **273.04** | **260.50** | **210.75** | **189.64** |

# Cost of Producing One Hectare of Rainfed Cotton (US$)

| Operation/Item | Argentina | Benin | | | Bolivia | Brazil | |
|---|---|---|---|---|---|---|---|
| | | North Zou | South Zou | Borgou | Santa Cruz | Cerrado | Semi Arid |
| **1. PRE-SOWING** | | | | | | | |
| Land rent for cotton | | 21.43 | 21.43 | 21.43 | 30.00 | | |
| Land revenue/tax | 14.00 | | | | 0.45 | | |
| Pre-soaking irrigation | | | | | | | |
| Ploughing | 19.36 | 44.64 | 31.25 | 44.64 | | 66.98 | 37.20 |
| Planking | | | | | 15.00 | | |
| Other | 8.95 | 50.00 | 51.34 | 50.00 | 25.00 | | |
| **Sub-total** | **42.31** | **116.07** | **104.02** | **116.07** | **70.45** | **66.98** | **37.20** |
| **2. SOWING** | | | | | | | |
| Soaking irrigation | | | | | | | |
| Land preparation | | | | | 15.00 | | |
| Seed | 15.00 | | | | 31.75 | 18.00 | 14.80 |
| Seed treatment | 2.95 | | | | 9.00 | 7.95 | |
| Herbicides (Pre-sowing) | 31.06 | | | | 30.00 | 22.20 | |
| Fertilizer (Basal dose) | | 7.14 | 8.93 | 7.14 | | 112.00 | |
| Drilling | 6.88 | 7.14 | 8.93 | 8.93 | 12.00 | | |
| Other | | | | | 6.00 | | |
| **Sub-total** | **55.89** | **14.29** | **17.86** | **16.07** | **103.75** | **160.15** | **14.80** |
| **3. GROWING** | | | | | | | |
| Thinning | 13.50 | 4.46 | 17.86 | 4.46 | 8.00 | | 9.30 |
| Weeding | | 35.71 | 22.32 | 35.71 | 30.00 | | |
| Hoeing | 15.42 | 17.86 | 13.39 | 17.86 | | 16.65 | 46.50 |
| Herbicides (Post-sowing) | | | | | | 16.65 | |
| Fertilizer (Total) | | 54.29 | 54.29 | 54.29 | | 76.20 | |
| Irrigation | | | | | | | |
| Insecticides | 39.75 | 42.00 | 36.00 | 42.00 | 151.80 | 536.00 | 139.50 |
| Defoliation | 25.24 | | | | | 38.33 | |
| Other | 3.94 | 4.29 | 4.29 | 4.29 | 20.00 | 41.66 | |
| **Sub-total** | **97.85** | **158.61** | **148.14** | **158.61** | **209.80** | **725.49** | **195.30** |
| **4. HARVESTING** | | | | | | | |
| Picking cost | | | | | 128.25 | | |
| a.Hand picking (%) | | 44.64 | 31.25 | 44.64 | | | 93.00 |
| b.Machine picking (%) | 60.00 | | | | | 94.40 | |
| Stick cutting/slashing | 6.19 | 7.14 | 7.14 | 7.14 | 10.00 | 5.60 | 27.90 |
| Other | 47.60 | | | | 7.95 | 0.00 | |
| **Sub-total** | **113.79** | **51.79** | **38.39** | **51.79** | **146.20** | **100.00** | **120.90** |
| **Seed Cotton Costs** | **309.84** | **340.75** | **308.41** | **342.54** | **530.20** | **1,052.61** | **368.20** |
| **5. GINNING** | | | | | | | |
| Transportation to gin factory | 11.20 | 4.29 | 7.14 | 5.71 | 31.50 | | |
| Ginning (Including bagging) | 84.00 | 145.71 | 145.71 | 145.71 | 105.00 | 80.00 | |
| Classing/grading charges | 1.96 | | | | 4.50 | 5.50 | |
| Other | | 2.86 | 2.86 | 2.86 | | | |
| **Sub-total** | **97.16** | **152.86** | **155.71** | **154.29** | **141.00** | **85.50** | |
| **Variable Cash Costs** | **407.00** | **493.61** | **464.13** | **496.82** | **671.20** | **1,138.11** | |
| **6. ECONOMIC COSTS** | | | | | | | |
| Management and administrative | 6.00 | | | | | 6.86 | |
| Interest on capital invested | | | | | | | |
| All repairs | 5.00 | | | | | | |
| General farm overheads | 65.00 | | | | | | |
| Other | | | | | 16.00 | | |
| **Sub-total** | **76.00** | | | | **16.00** | **6.86** | |
| **7. FIXED COSTS** | | | | | | | |
| Power supply | | | | | | | |
| Irrigation system at the farm | | | | | | | |
| Tractors | | | | | | | |
| Spray machinery | | | | | | | |
| Farm implements | | | | | | | |
| Other | 58.00 | 5.57 | 4.14 | 5.57 | | | |
| **Sub-total** | **58.00** | **5.57** | **4.14** | **5.57** | | | |
| **8. TOTAL COST** | **541.00** | **499.18** | **468.27** | **502.39** | **687.20** | **1,144.97** | **368.20** |
| **9. VALUE OF SEED COTTON** | **350.00** | **428.57** | **428.57** | **428.57** | | | |
| **10. NET VALUE OF LINT** | **542.50** | **737.14** | **737.14** | **737.14** | | **1,404.00** | **491.40** |
| **11. NET VALUE OF SEED** | **30.24** | **34.71** | **34.71** | **34.71** | | **425.00** | **180.00** |

# Cost of Producing One Hectare of Rainfed Cotton (US$)

| Operation/Item | Bulgaria | Burkina Faso | Cameroon | Colombia | India | | Kenya |
|---|---|---|---|---|---|---|---|
| | | | | Atlantic Coast | Central | South, Diploid | |
| **1. PRE-SOWING** | | | | | | | |
| Land rent for cotton | 42.86 | | 21.43 | 68.59 | 21.74 | 21.74 | |
| Land revenue/tax | | | | | | | |
| Pre-soaking irrigation | | | | | | | |
| Ploughing | 19.01 | 25.00 | 28.57 | | 10.87 | 10.87 | |
| Planking | | | | | | | 46.88 |
| Other | | | | | 12.17 | 17.39 | 37.50 |
| **Sub-total** | **61.87** | **25.00** | **50.00** | **68.59** | **44.78** | **50.00** | **84.38** |
| **2. SOWING** | | | | | | | |
| Soaking irrigation | | | | | | | |
| Land preparation | 11.31 | | | 42.98 | | | |
| Seed | 13.33 | 1.93 | 0.86 | 114.31 | 21.74 | 21.74 | 3.75 |
| Seed treatment | | | 2.29 | | | | |
| Herbicides (Pre-sowing) | 52.50 | | 21.86 | | | | |
| Fertilizer (Basal dose) | 27.90 | | | | 21.74 | 23.91 | |
| Drilling | 3.77 | 4.29 | | | 16.30 | 15.22 | 30.00 |
| Other | | | | 6.86 | | | |
| **Sub-total** | **108.82** | **6.21** | **25.00** | **164.15** | **59.78** | **60.87** | **33.75** |
| **3. GROWING** | | | | | | | |
| Thinning | 9.43 | | 5.71 | | | | 7.50 |
| Weeding | 38.10 | 4.29 | | 101.65 | 26.09 | 30.43 | 79.50 |
| Hoeing | | 14.29 | 22.86 | 21.95 | | | |
| Herbicides (Post-sowing) | | 14.95 | | | | | |
| Fertilizer (Total) | | 54.43 | 53.29 | 111.57 | | | |
| Irrigation | | | | | | | |
| Insecticides | | 61.58 | 20.00 | 281.50 | 53.48 | 50.43 | 52.50 |
| Defoliation | 9.52 | | | | | | |
| Other | | | 14.29 | | 2.17 | 2.17 | |
| **Sub-total** | **57.05** | **149.53** | **116.14** | **516.66** | **81.74** | **83.04** | **139.50** |
| **4. HARVESTING** | | | | | | | |
| Picking cost | | | 71.43 | 205.97 | | | |
| a.Hand picking (%) | 26.19 | 28.57 | | | 78.26 | 83.70 | |
| b.Machine picking (%) | 11.90 | | | | | | |
| Stick cutting/slashing | | 3.57 | | | | | |
| Other | | 2.86 | | | | | |
| **Sub-total** | **38.10** | **35.00** | **71.43** | **205.97** | **78.26** | **83.70** | |
| **Seed Cotton Costs** | **265.83** | **215.74** | **262.57** | **955.36** | **264.57** | **277.61** | **257.63** |
| **5. GINNING** | | | | | | | |
| Transportation to gin factory | 48.19 | | | | | | 18.75 |
| Ginning (Including bagging) | 63.25 | | | 120.03 | | | 10.44 |
| Classing/grading charges | | | | | | | |
| Other | | | | | | | |
| **Sub-total** | **111.44** | | | **120.03** | | | **29.19** |
| **Variable Cash Costs** | **377.28** | | | **1,075.39** | **264.57** | **277.61** | **286.81** |
| **6. ECONOMIC COSTS** | | | | | | | |
| Management and administrative | 4.50 | | | 23.87 | 21.74 | 21.74 | |
| Interest on capital invested | 0.20 | | | 45.72 | 15.87 | 14.85 | |
| All repairs | 3.43 | | | | | | |
| General farm overheads | 4.20 | | | | | | |
| Other | | | | 121.64 | | | |
| **Sub-total** | **12.33** | | | **191.23** | **37.61** | **36.59** | |
| **7. FIXED COSTS** | | | | | | | |
| Power supply | 5.90 | | | | | | |
| Irrigation system at the farm | | | | | | | |
| Tractors | 0.83 | | | | | | |
| Spray machinery | 0.10 | | | | | | |
| Farm implements | 0.05 | | | | | | |
| Other | | | | | | | |
| **Sub-total** | **6.88** | | | | | | |
| **8. TOTAL COST** | **396.49** | **215.74** | **262.57** | **1,266.62** | **302.17** | **314.20** | **286.81** |
| **9. VALUE OF SEED COTTON** | **205.71** | **250.00** | | **1,298.00** | **382.61** | **382.61** | **112.50** |
| **10. NET VALUE OF LINT** | **283.12** | | | | **354.78** | **354.78** | **167.00** |
| **11. NET VALUE OF SEED** | **177.90** | **19.71** | | **220.00** | **172.17** | **172.17** | **62.44** |

# Cost of Producing One Hectare of Rainfed Cotton (US$)

| Operation/Item | Mali | Nigeria | South Africa | | | Tanzania | |
|---|---|---|---|---|---|---|---|
| | | | NW Province | Spring Bok | Mpumalanga | Western | Eastern |
| **1. PRE-SOWING** | | | | | | | |
| Land rent for cotton | | | | 22.50 | 25.00 | | |
| Land revenue/tax | | | | | | | |
| Pre-soaking irrigation | | | | | | | |
| Ploughing | 13.25 | 43.48 | 20.00 | 14.38 | 37.50 | 15.63 | 31.25 |
| Planking | | | | | | | |
| Other | 30.57 | | | | | 15.63 | 12.50 |
| **Sub-total** | **43.82** | **43.48** | **20.00** | **36.88** | **62.50** | **31.25** | **43.75** |
| **2. SOWING** | | | | | | | |
| Soaking irrigation | | | | | | | |
| Land preparation | | 15.65 | | 5.00 | 31.25 | | |
| Seed | | 1.57 | 9.50 | 8.80 | 7.00 | 1.88 | 1.88 |
| Seed treatment | 0.36 | | 6.88 | | | | |
| Herbicides (Pre-sowing) | 4.68 | | 16.88 | 8.75 | 8.75 | | |
| Fertilizer (Basal dose) | 35.67 | 31.30 | 11.44 | | 10.63 | | |
| Drilling | 4.08 | 41.74 | 10.00 | | | | |
| Other | | 41.74 | 18.75 | | | 6.25 | 18.75 |
| **Sub-total** | **44.77** | **132.00** | **73.44** | **22.55** | **57.63** | **8.13** | **20.63** |
| **3. GROWING** | | | | | | | |
| Thinning | 5.10 | 17.39 | 2.50 | | 9.38 | 6.25 | 12.50 |
| Weeding | 1.02 | 26.09 | 7.50 | 4.25 | 11.25 | 25.00 | 65.63 |
| Hoeing | 16.30 | | | | 9.38 | | |
| Herbicides (Post-sowing) | | 52.17 | | | | | |
| Fertilizer (Total) | 14.16 | 86.96 | 19.48 | | | 43.75 | |
| Irrigation | | | | | | | |
| Insecticides | 24.04 | 41.74 | 27.50 | 24.38 | 64.38 | 28.13 | 18.75 |
| Defoliation | | | | 13.13 | | | |
| Other | | | 26.10 | 20.50 | 3.13 | | |
| **Sub-total** | **60.62** | **224.35** | **83.08** | **62.25** | **97.50** | **103.13** | **96.88** |
| **4. HARVESTING** | | | | | | | |
| Picking cost | | | | | | | |
| a.Hand picking (%) | 46.88 | 20.87 | 56.63 | 40.00 | 56.25 | 25.00 | 31.88 |
| b.Machine picking (%) | | | | | | | |
| Stick cutting/slashing | | | 8.50 | | 13.75 | 6.25 | |
| Other | | | | | | | |
| **Sub-total** | **46.88** | **20.87** | **65.13** | **40.00** | **70.00** | **31.25** | **31.88** |
| **Seed Cotton Costs** | **196.09** | **420.70** | **241.64** | **161.68** | **287.63** | **173.75** | **193.13** |
| **5. GINNING** | | | | | | | |
| Transportation to gin factory | | | | | 14.06 | | |
| Ginning (Including bagging) | | 72.46 | | | 60.94 | | |
| Classing/grading charges | | | | | | | 21.88 |
| Other | | | 6.80 | | | | |
| **Sub-total** | | **72.46** | **6.80** | | **75.00** | | **21.88** |
| **Variable Cash Costs** | | **493.16** | **248.43** | | **362.63** | | **215.00** |
| **6. ECONOMIC COSTS** | | | | | | | |
| Management and administrative | | | 7.50 | | | | |
| Interest on capital invested | | | 9.13 | | | | |
| All repairs | | | 5.00 | 31.25 | | | |
| General farm overheads | | | | | | | |
| Other | | | | | | | 4.69 |
| **Sub-total** | | | **21.63** | **31.25** | | | **4.69** |
| **7. FIXED COSTS** | | | | | | | |
| Power supply | | | | | | | |
| Irrigation system at the farm | | | | | | | |
| Tractors | | | 33.25 | | | | |
| Spray machinery | 3.50 | | 3.75 | | | | 12.50 |
| Farm implements | 22.81 | | 13.75 | | | | 12.50 |
| Other | | | | | | | |
| **Sub-total** | **26.31** | | **50.75** | | | | **25.00** |
| **8. TOTAL COST** | **222.40** | **493.16** | **320.81** | **192.93** | **362.63** | **173.75** | **244.69** |
| **9. VALUE OF SEED COTTON** | **194.02** | | **305.78** | | **257.81** | **218.75** | **270.00** |
| **10. NET VALUE OF LINT** | | | | | **312.75** | | |
| **11. NET VALUE OF SEED** | | **37.57** | | | **34.13** | | |

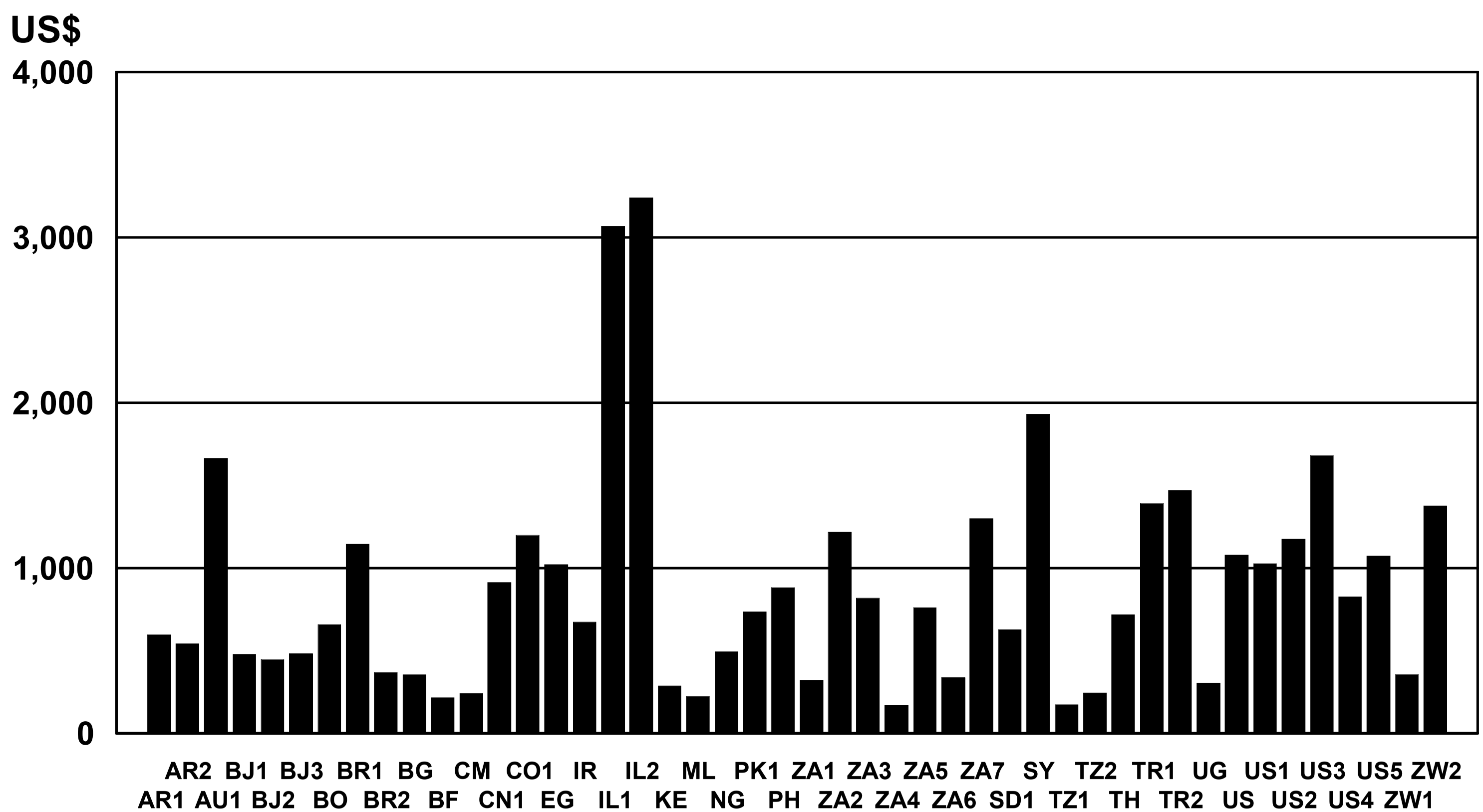
# Cost of Producing One Hectare of Rainfed Cotton (US$)

| Operation/Item | Thailand | Uganda | USA | | | | Zimbabwe |
|---|---|---|---|---|---|---|---|
| | | | Heartland | MS Portal | Prairie | S. Seaboard | Communal |
| **1. PRE-SOWING** | | | | | | | |
| Land rent for cotton | 78.13 | 12.71 | 140.13 | 145.39 | 54.68 | 112.53 | |
| Land revenue/tax | 7.81 | | | | | | |
| Pre-soaking irrigation | | | | | | | |
| Ploughing | | 44.07 | | | | | 42.86 |
| Planking | | | | | | | |
| Other | | | | | | | |
| **Sub-total** | **85.94** | **56.78** | **140.13** | **145.39** | **54.68** | **112.53** | **42.86** |
| **2. SOWING** | | | | | | | |
| Soaking irrigation | | | | | | | |
| Land preparation | 125.00 | 33.90 | | | | | |
| Seed | 7.04 | 5.65 | 23.80 | 47.99 | 39.83 | 46.01 | 11.79 |
| Seed treatment | | | | | | | |
| Herbicides (Pre-sowing) | 18.75 | | | | | | |
| Fertilizer (Basal dose) | 28.13 | | | | | | 41.57 |
| Drilling | 21.88 | 11.30 | | | | | 2.68 |
| Other | | | | | | | 8.21 |
| **Sub-total** | **200.79** | **50.85** | **23.80** | **47.99** | **39.83** | **46.01** | **64.25** |
| **3. GROWING** | | | | | | | |
| Thinning | 9.38 | | | | | | 2.68 |
| Weeding | | 33.90 | | | | | 17.86 |
| Hoeing | 93.75 | | | | | | |
| Herbicides (Post-sowing) | 6.72 | | | | | | |
| Fertilizer (Total) | | | 73.76 | 85.77 | 42.28 | 108.23 | 25.16 |
| Irrigation | | | | | | | |
| Insecticides | 127.97 | 24.86 | 183.64 | 212.58 | 63.97 | 171.19 | 45.25 |
| Defoliation | | | | | | | |
| Other | 53.13 | | 171.44 | 207.14 | 228.87 | 245.46 | |
| **Sub-total** | **290.94** | **58.76** | **428.84** | **540.95** | **335.12** | **524.89** | **90.95** |
| **4. HARVESTING** | | | | | | | |
| Picking cost | 140.63 | | | | | | |
| a.Hand picking (%) | | 12.43 | | | | | 27.68 |
| b.Machine picking (%) | | | | | | | |
| Stick cutting/slashing | | | | | | | 2.68 |
| Other | 5.31 | | | | | | 9.11 |
| **Sub-total** | **145.94** | **12.43** | | | | | **39.46** |
| **Seed Cotton Costs** | **723.60** | **178.81** | **592.77** | **734.33** | **429.63** | **683.43** | **237.52** |
| **5. GINNING** | | | | | | | |
| Transportation to gin factory | 8.75 | 9.49 | | | | | 8.93 |
| Ginning (Including bagging) | 46.88 | 9.21 | 135.04 | 133.11 | 102.82 | 128.64 | 100.00 |
| Classing/grading charges | | 0.06 | | | | | 10.71 |
| Other | | 33.92 | | | | | |
| **Sub-total** | **55.63** | **52.68** | **135.04** | **133.11** | **102.82** | **128.64** | **119.64** |
| **Variable Cash Costs** | **779.22** | **231.49** | **727.81** | **867.44** | **532.45** | **812.07** | **357.16** |
| **6. ECONOMIC COSTS** | | | | | | | |
| Management and administrative | | 13.95 | | | | | |
| Interest on capital invested | 15.63 | 17.51 | 13.24 | 15.15 | 9.24 | 14.11 | |
| All repairs | | 4.52 | 83.35 | 78.53 | 60.19 | 59.33 | |
| General farm overheads | | 4.52 | 15.89 | 39.19 | 26.81 | 31.73 | |
| Other | | | 327.21 | 320.78 | 251.27 | 269.04 | |
| **Sub-total** | **15.63** | **40.51** | **439.69** | **453.65** | **347.52** | **374.21** | |
| **7. FIXED COSTS** | | | | | | | |
| Power supply | | | | | | | |
| Irrigation system at the farm | | | | | | | |
| Tractors | | | | | | | |
| Spray machinery | | 42.37 | | | | | |
| Farm implements | | 1.98 | | | | | |
| Other | | | | | | | |
| **Sub-total** | | **44.35** | | | | | |
| **8. TOTAL COST** | **794.85** | **316.35** | **1,167.50** | **1,321.10** | **879.97** | **1,186.28** | **357.16** |
| **9. VALUE OF SEED COTTON** | **937.50** | **248.59** | | | | | **392.86** |
| **10. NET VALUE OF LINT** | **859.38** | | **743.58** | **774.18** | **427.50** | **674.16** | **458.55** |
| **11. NET VALUE OF SEED** | **93.75** | | **123.64** | **121.86** | **77.22** | **100.80** | **63.21** |

# INTERCOUNTRY COST COMPARISONS

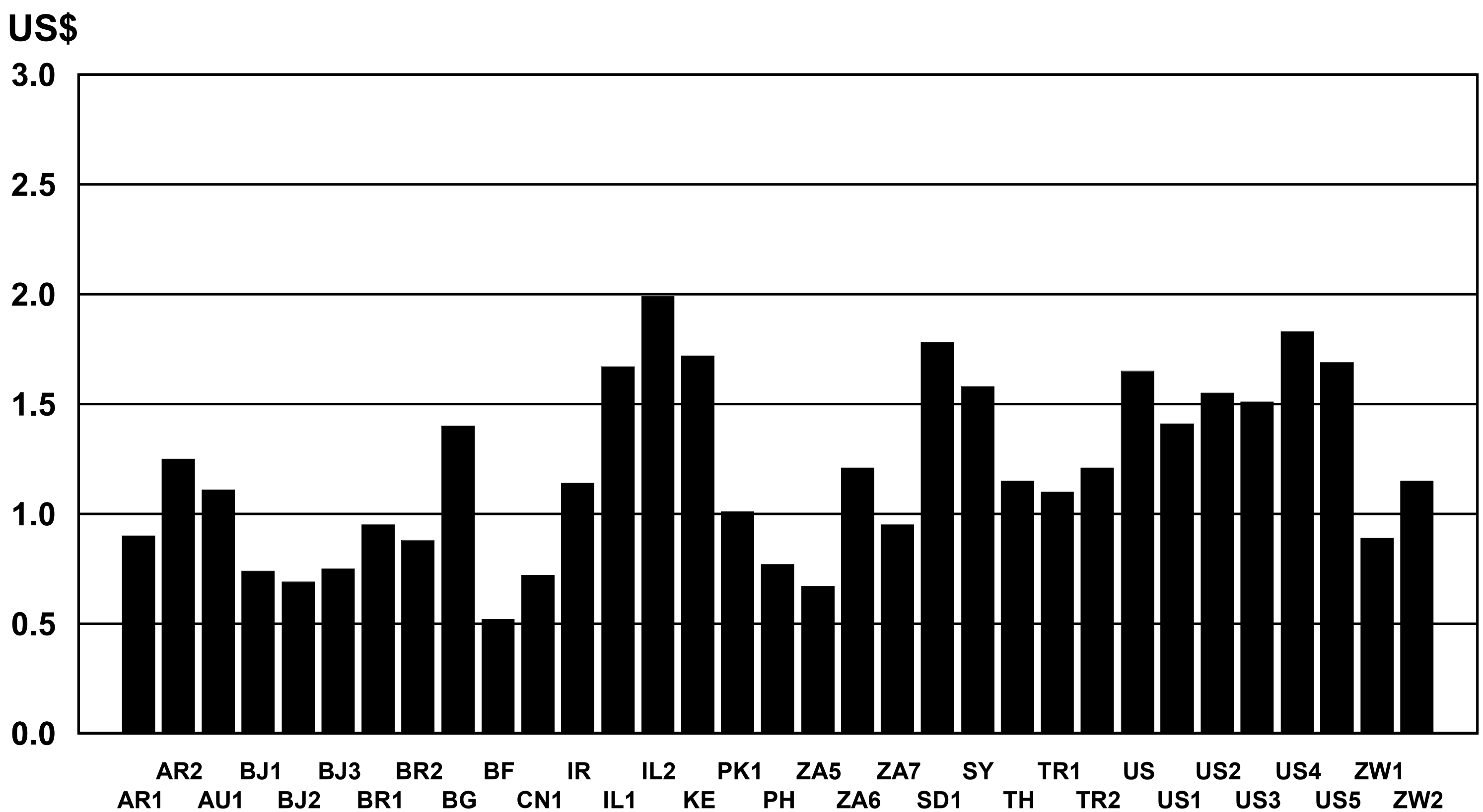
# Ownership Cost Per Hectare

(Total Excluding Land Rent)



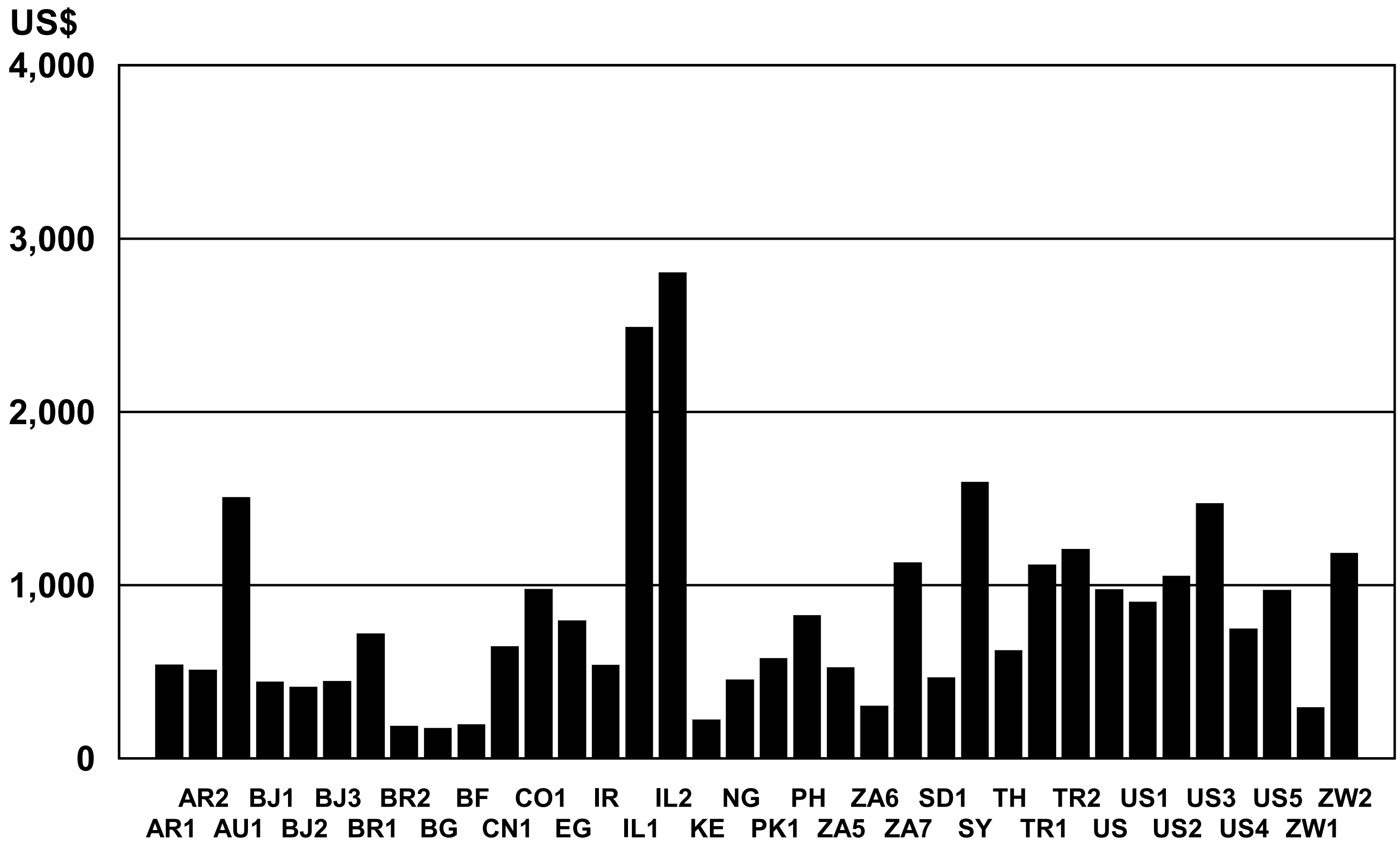
# Ownership Cost Per Kg Lint

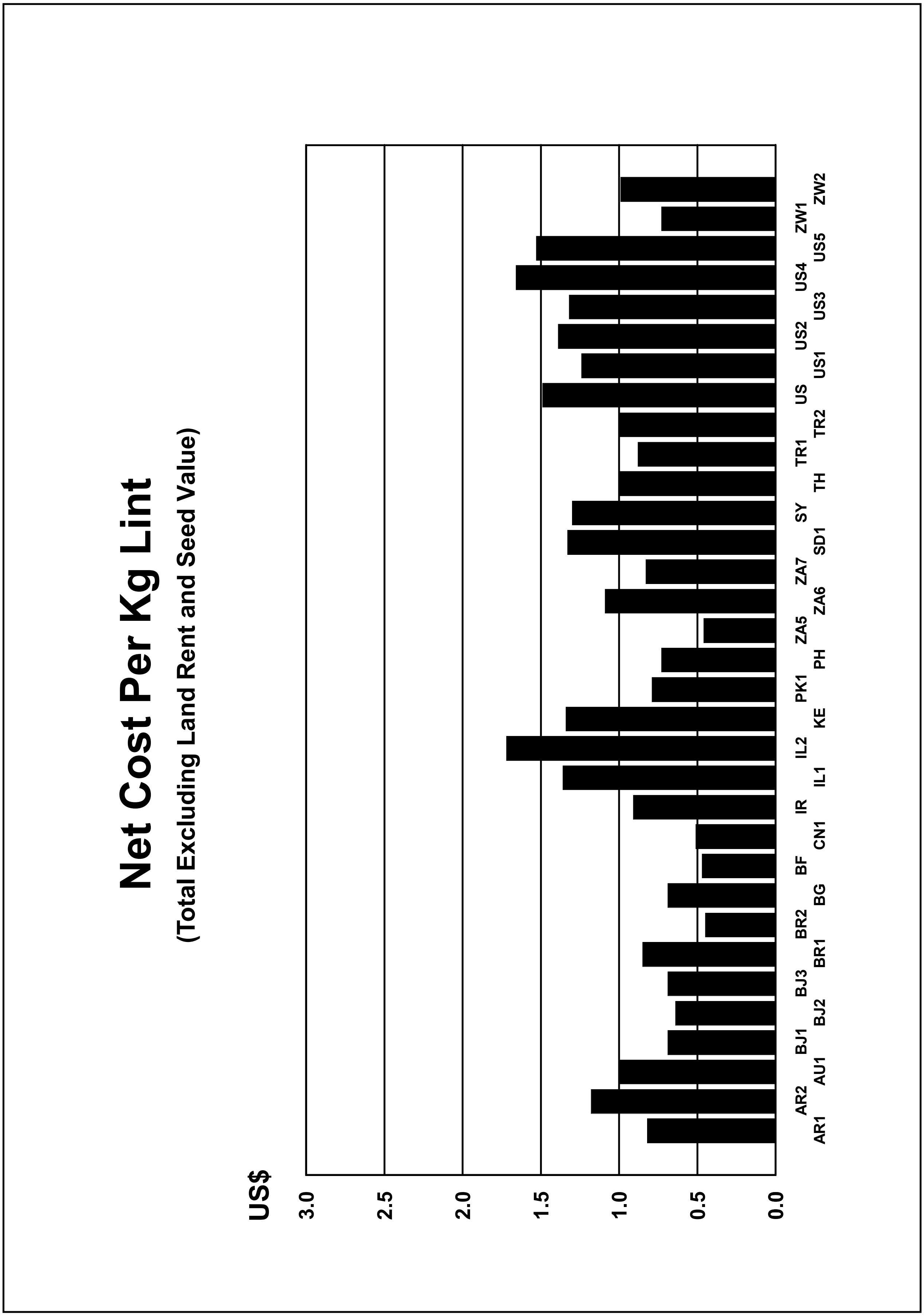
(Total Excluding Land Rent)



# Net Cost Per Hectare

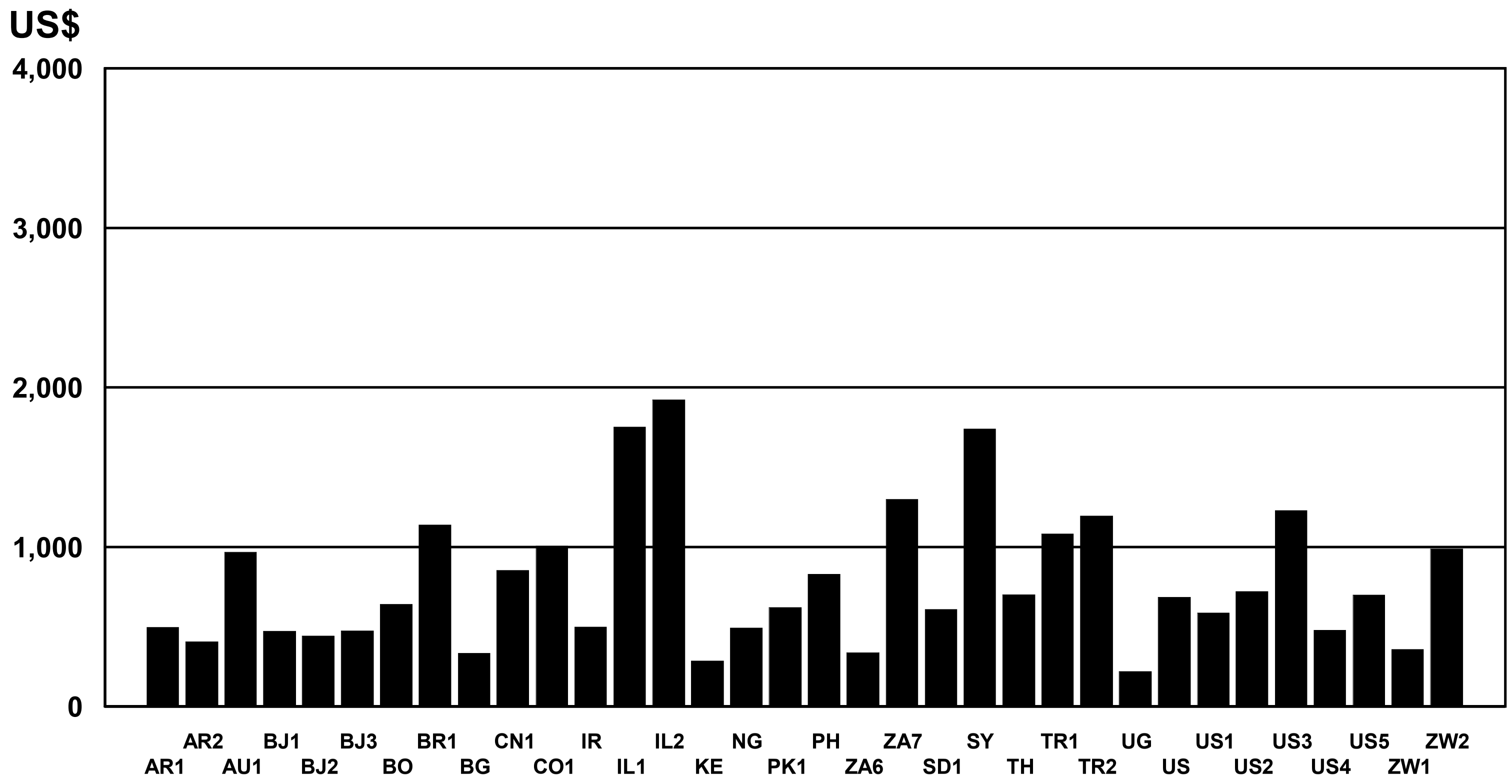
(Total Excluding Land Rent and Seed Value)




Net Cost Per Kg Lint
(Total Excluding Land Rent and Seed Value)
US$
3.0
2.5
2.0
1.5
1.0
0.5
0.0
AR1
AR2
AU1
BJ1
BJ2
BJ3
BR1
BR2
BG
BF
CN1
IR
IL1
IL2
KE
PK1
PH
ZA5
ZA6
ZA7
SD1
SY
TH
TR1
TR2
US
US1
US2
US3
US4
US5
ZW1
ZW2

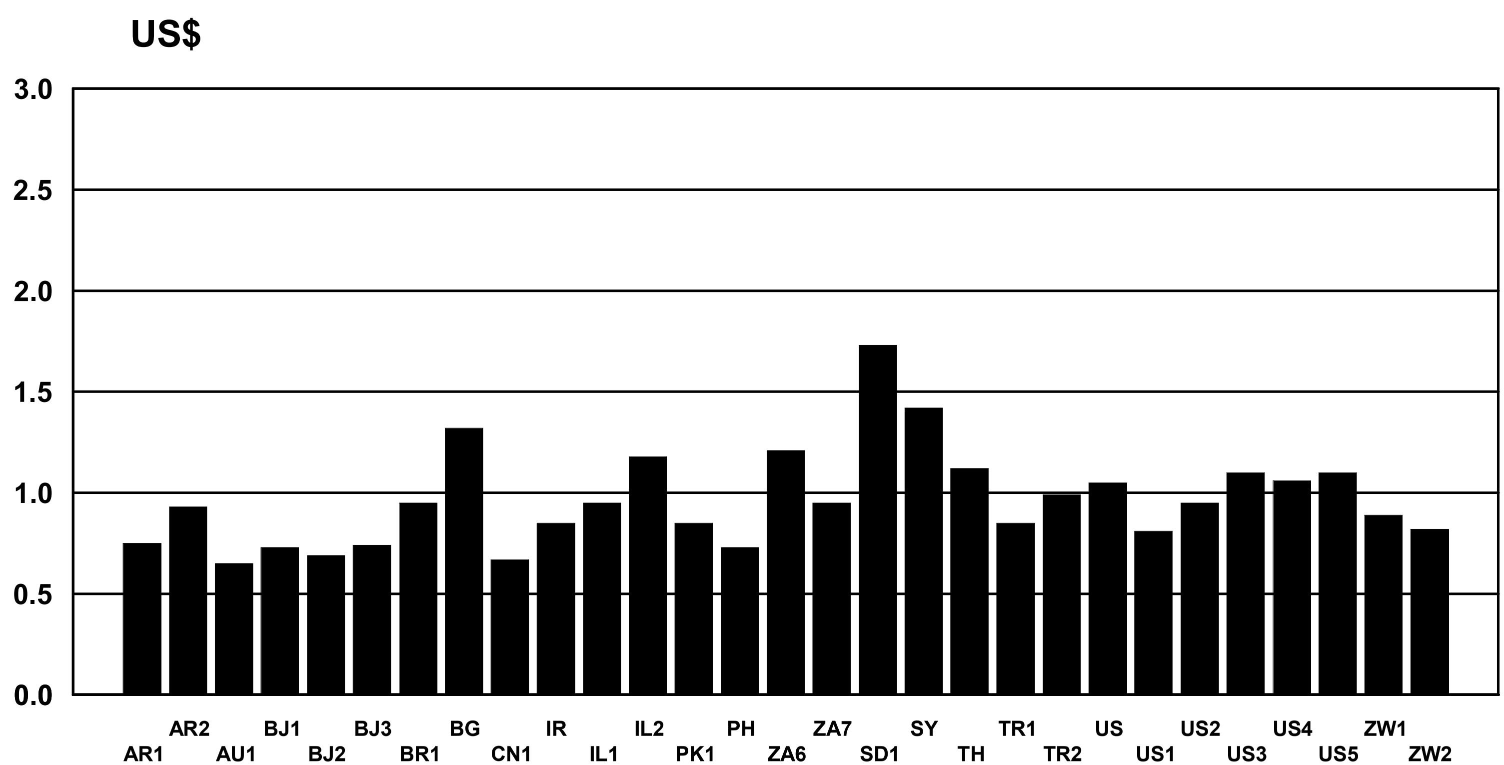
# Variable Cash Expenses Per Hectare

(Excluding Land Rent)



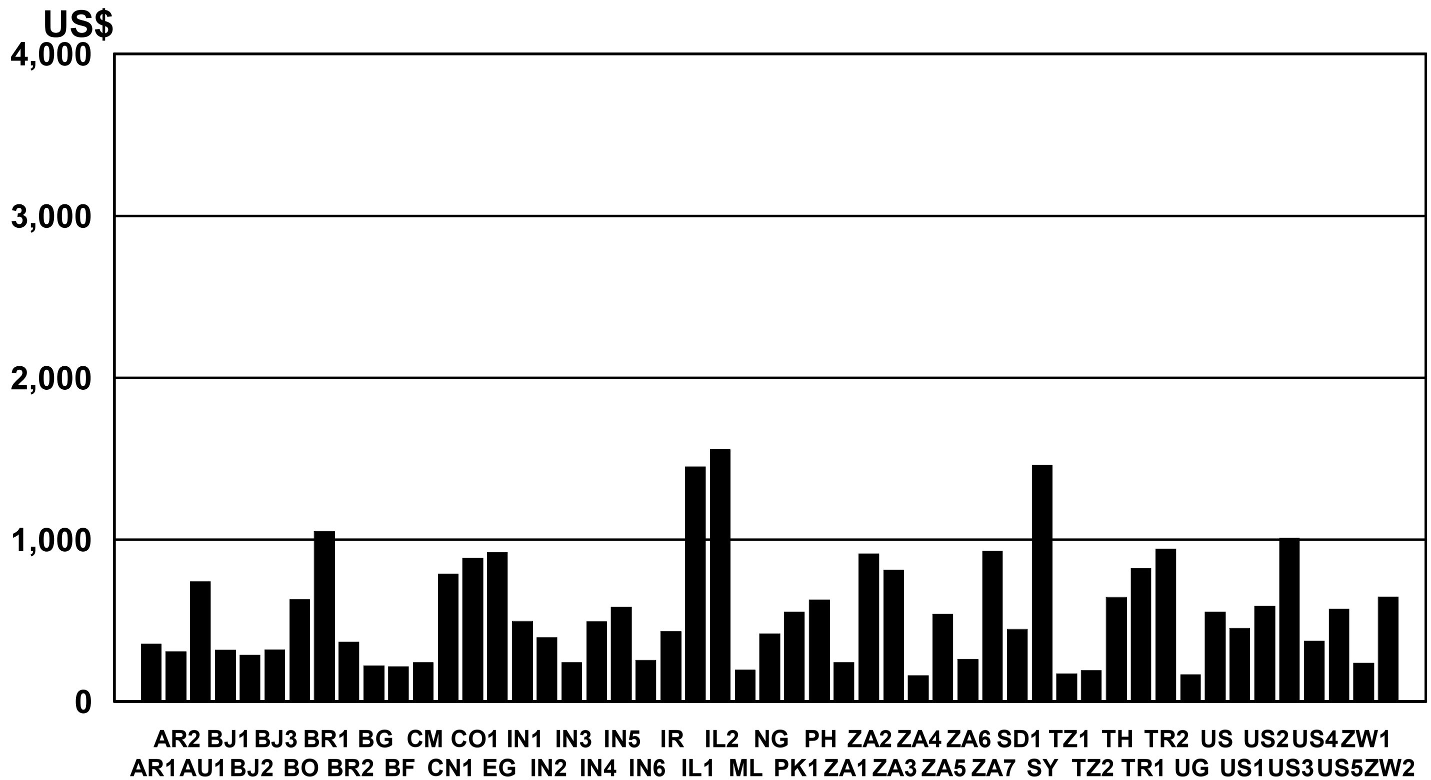
# Variable Cash Expenses Per Kg Lint

(Excluding Land Rent)



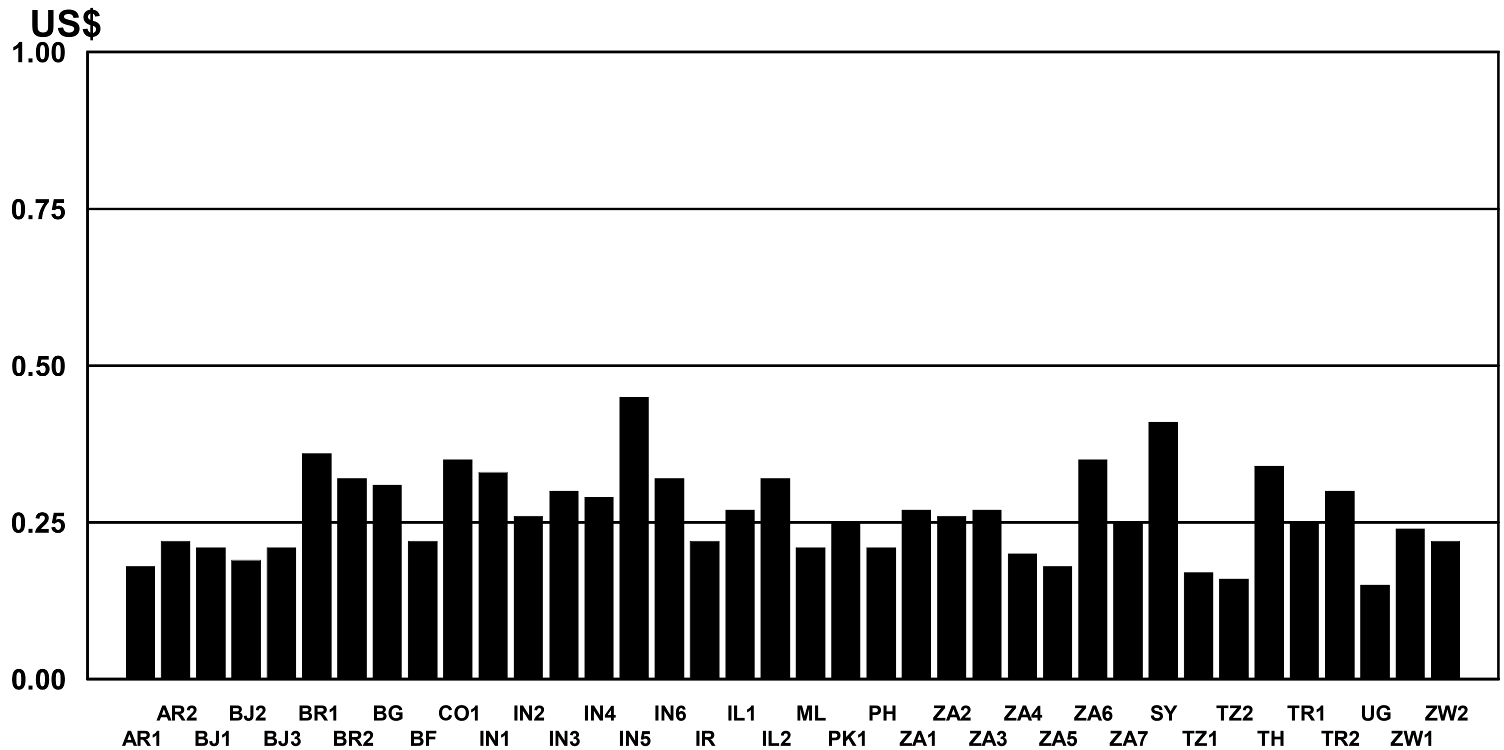
# Ownership Seedcotton Cost Per Hectare

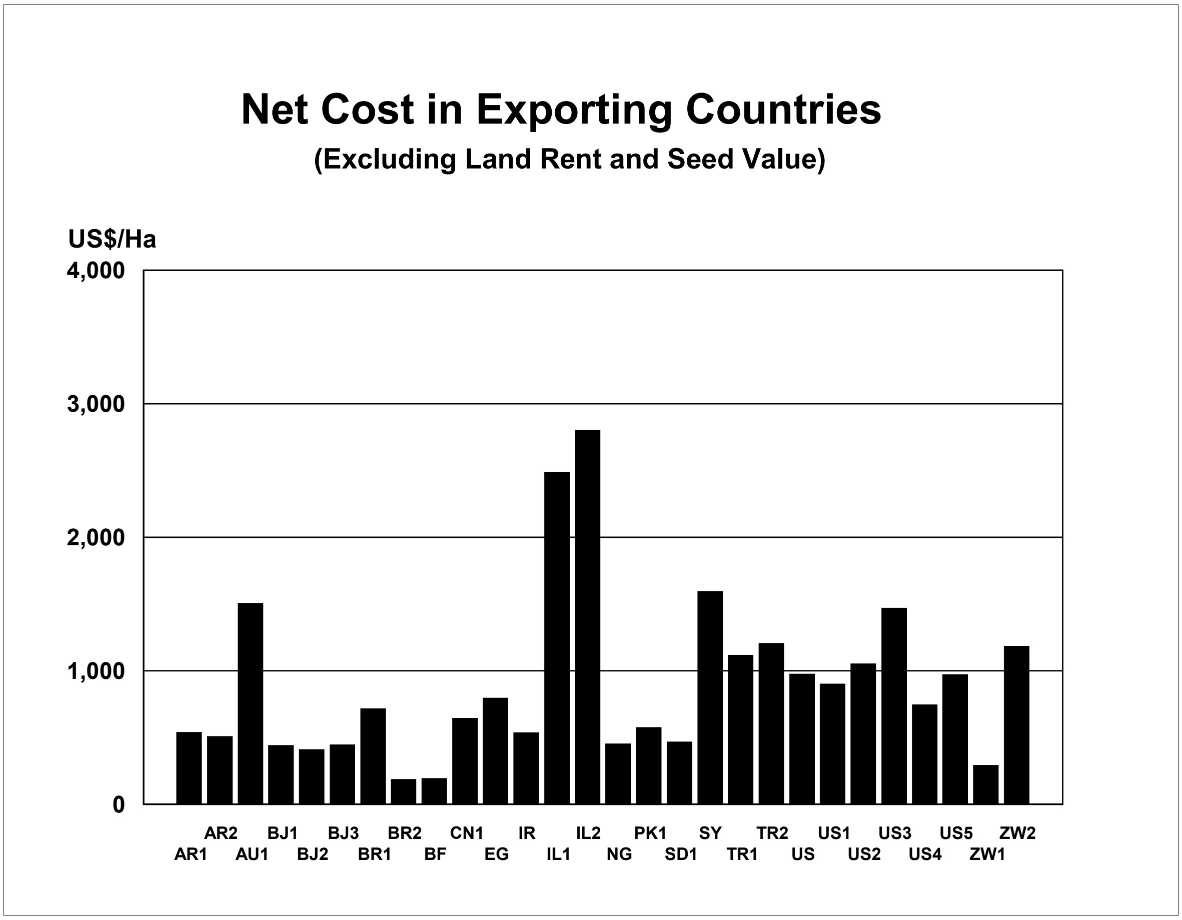
(Excluding Land Rent)

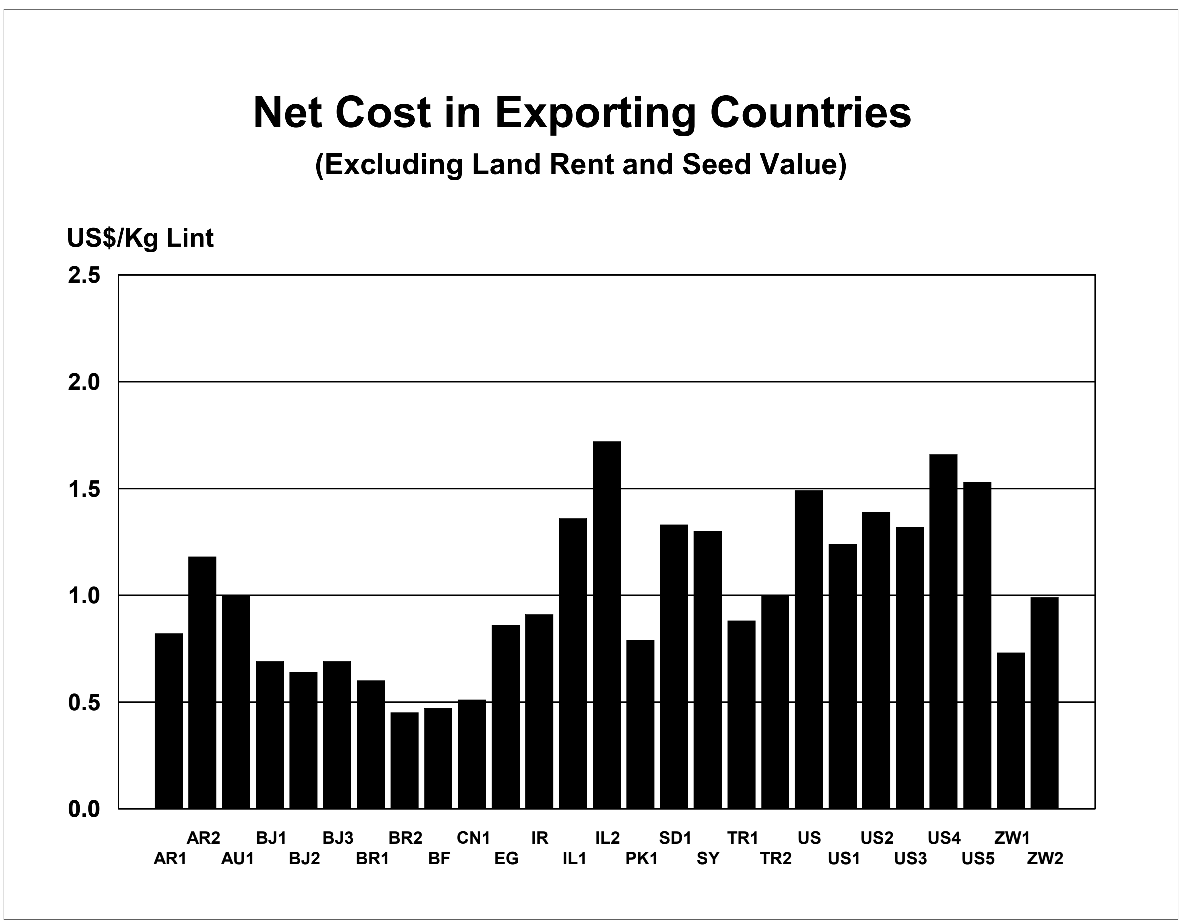


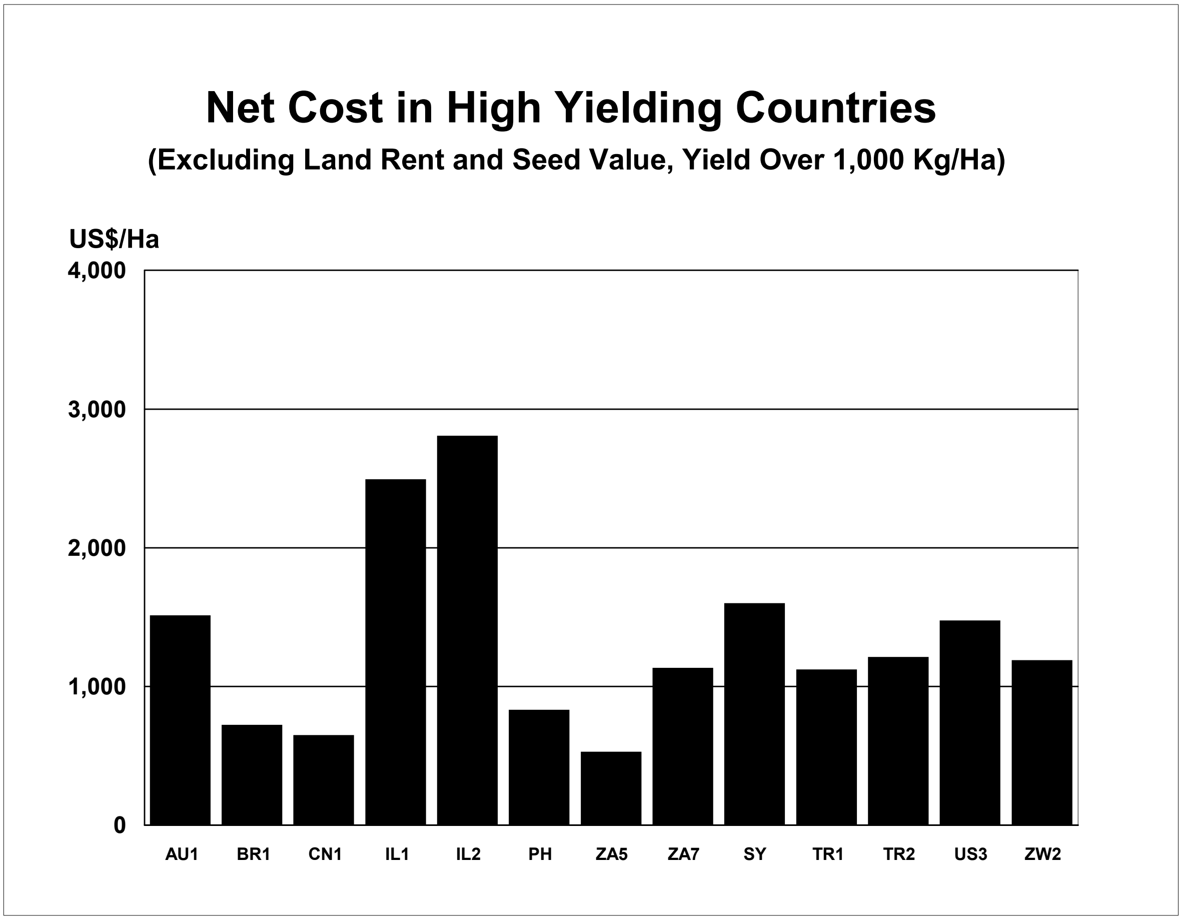
# Ownership Seedcotton Cost Per Kg Lint

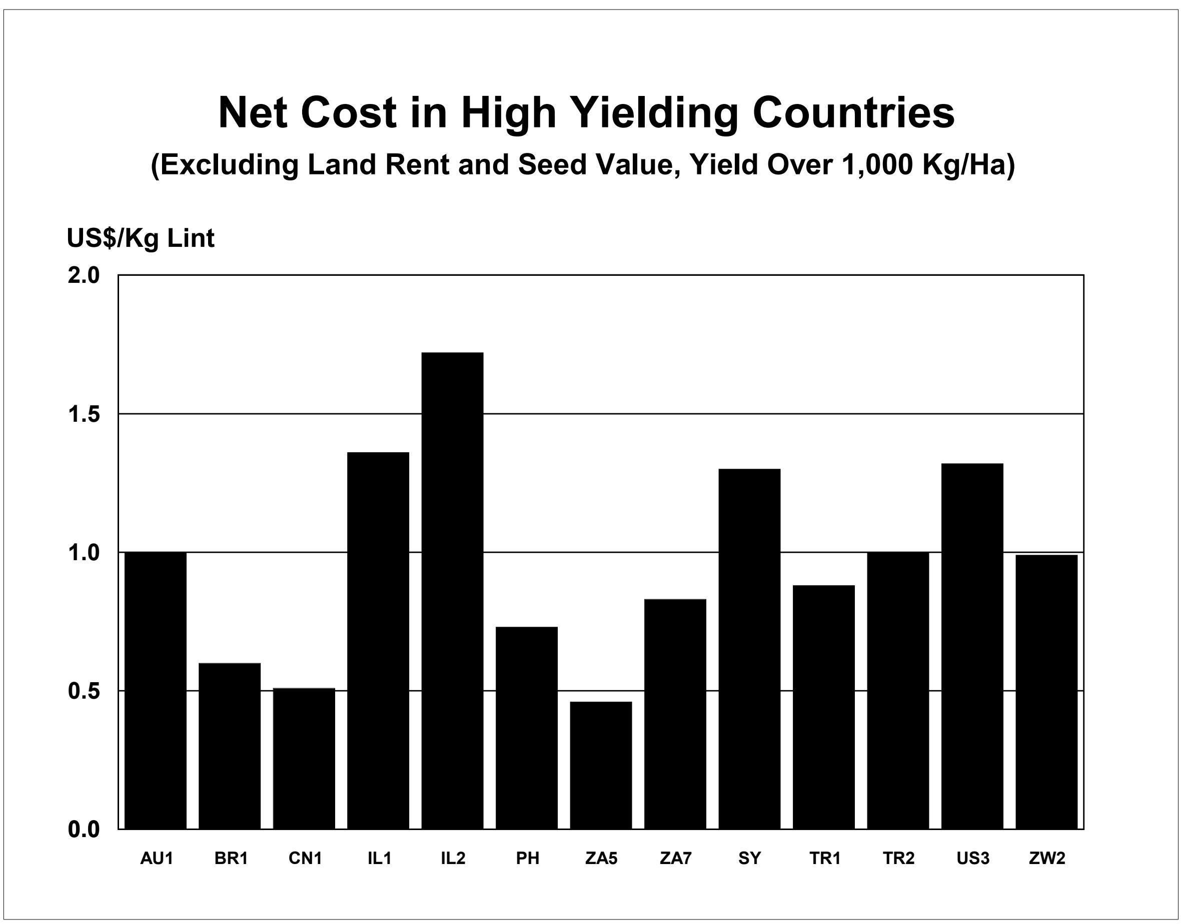
(Excluding Land Rent)



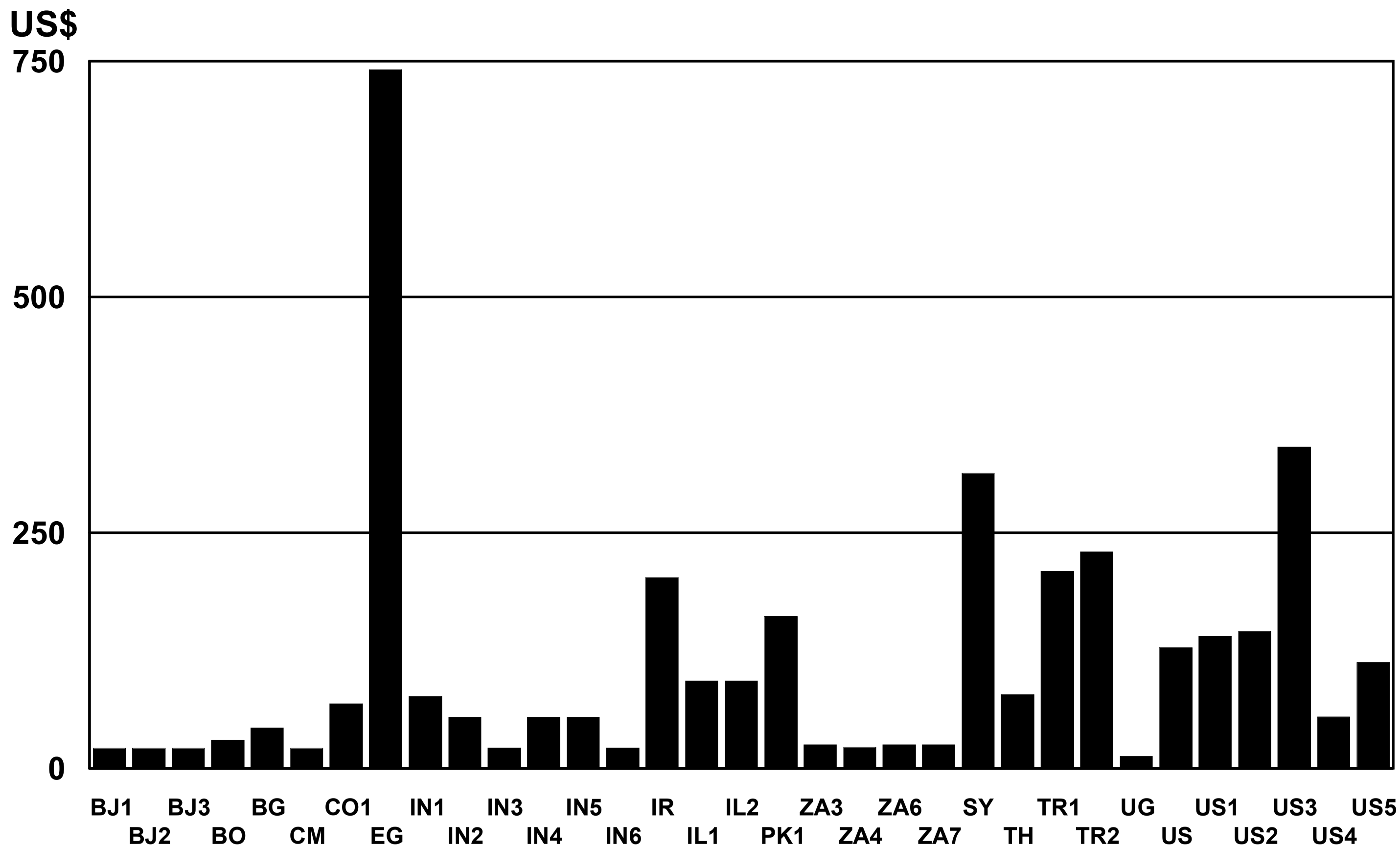

Net Cost in Exporting Countries
(Excluding Land Rent and Seed Value)
US$/Ha
4,000
3,000
2,000
1,000
0
AR2 BJ1 BJ3 BR2 CN1 IR IL2 PK1 SY TR2 US1 US3 US5 ZW2
AR1 AU1 BJ2 BR1 BF EG IL1 NG SD1 TR1 US US2 US4 ZW1

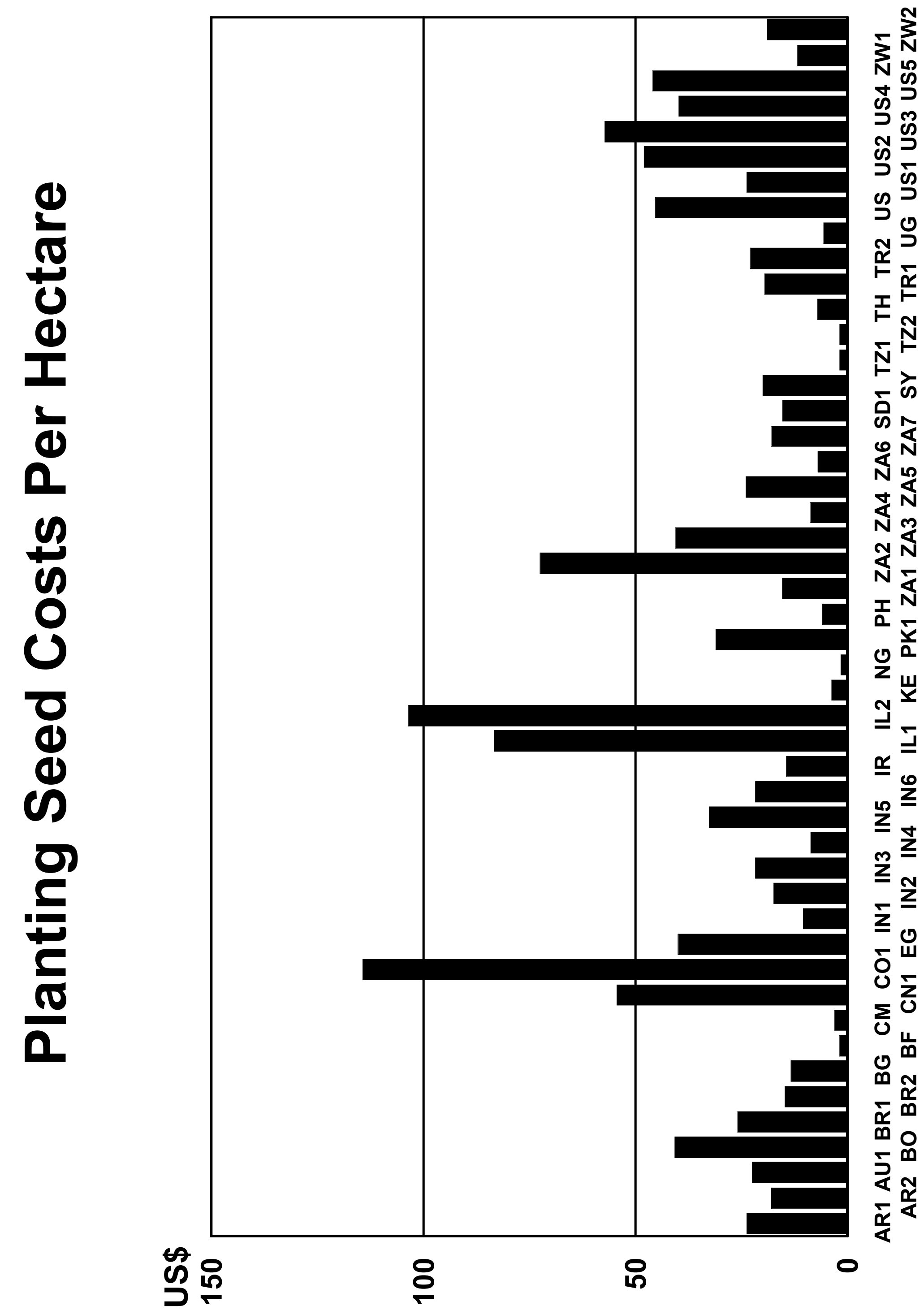

Net Cost in Exporting Countries
(Excluding Land Rent and Seed Value)
US$/Kg Lint
2.5
2.0
1.5
1.0
0.5
0.0
AR2 BJ1 BJ3 BR2 CN1 IR IL2 SD1 TR1 US US2 US4 ZW1
AR1 AU1 BJ2 BR1 BF EG IL1 PK1 SY TR2 US1 US3 US5 ZW2


Net Cost in High Yielding Countries
(Excluding Land Rent and Seed Value, Yield Over 1,000 Kg/Ha)
US$/Ha
4,000
3,000
2,000
1,000
0
AU1
BR1
CN1
IL1
IL2
PH
ZA5
ZA7
SY
TR1
TR2
US3
ZW2

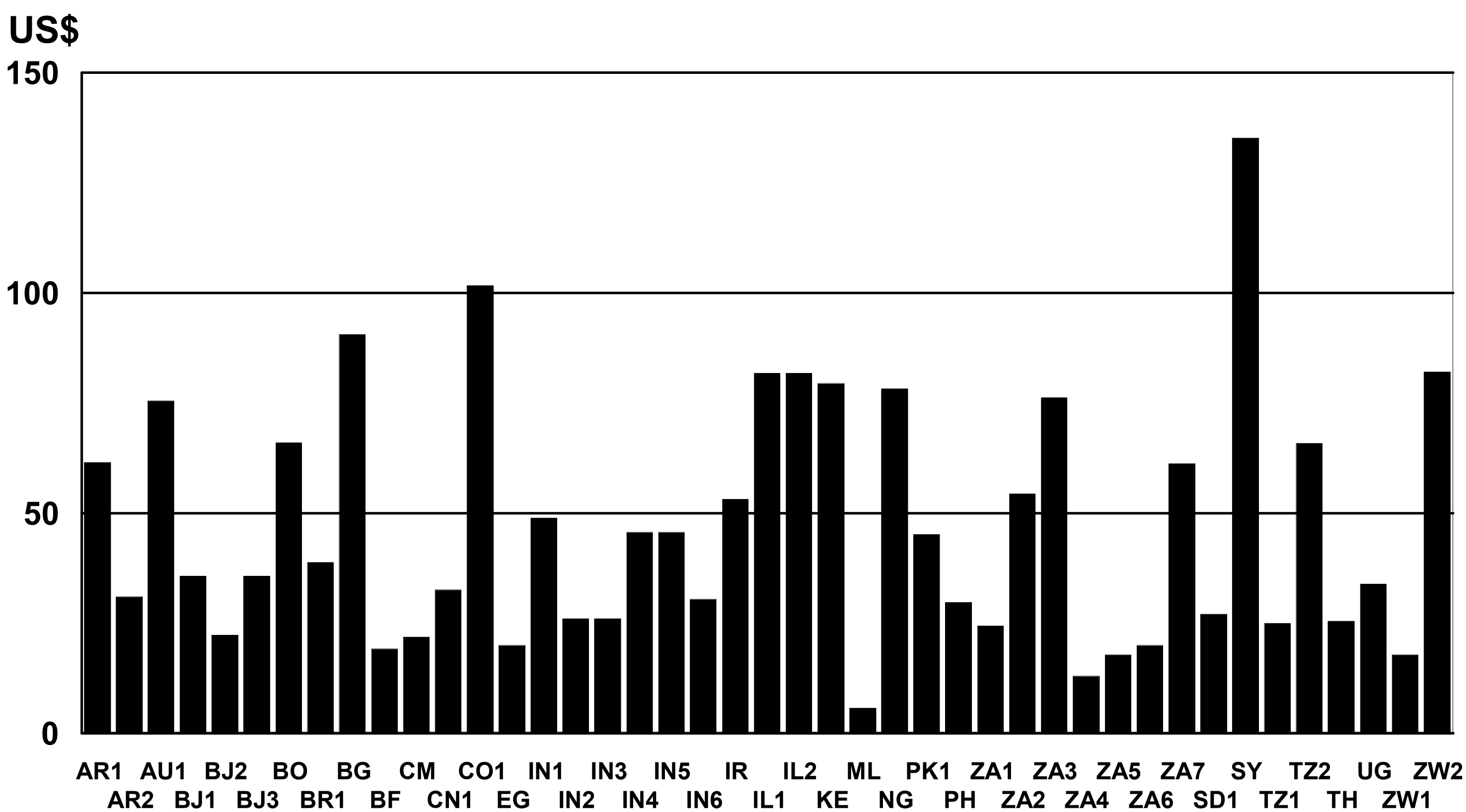

Net Cost in High Yielding Countries
(Excluding Land Rent and Seed Value, Yield Over 1,000 Kg/Ha)
US$/Kg Lint
2.0
1.5
1.0
0.5
0.0
AU1
BR1
CN1
IL1
IL2
PH
ZA5
ZA7
SY
TR1
TR2
US3
ZW2

# Land Rent Per Hectare

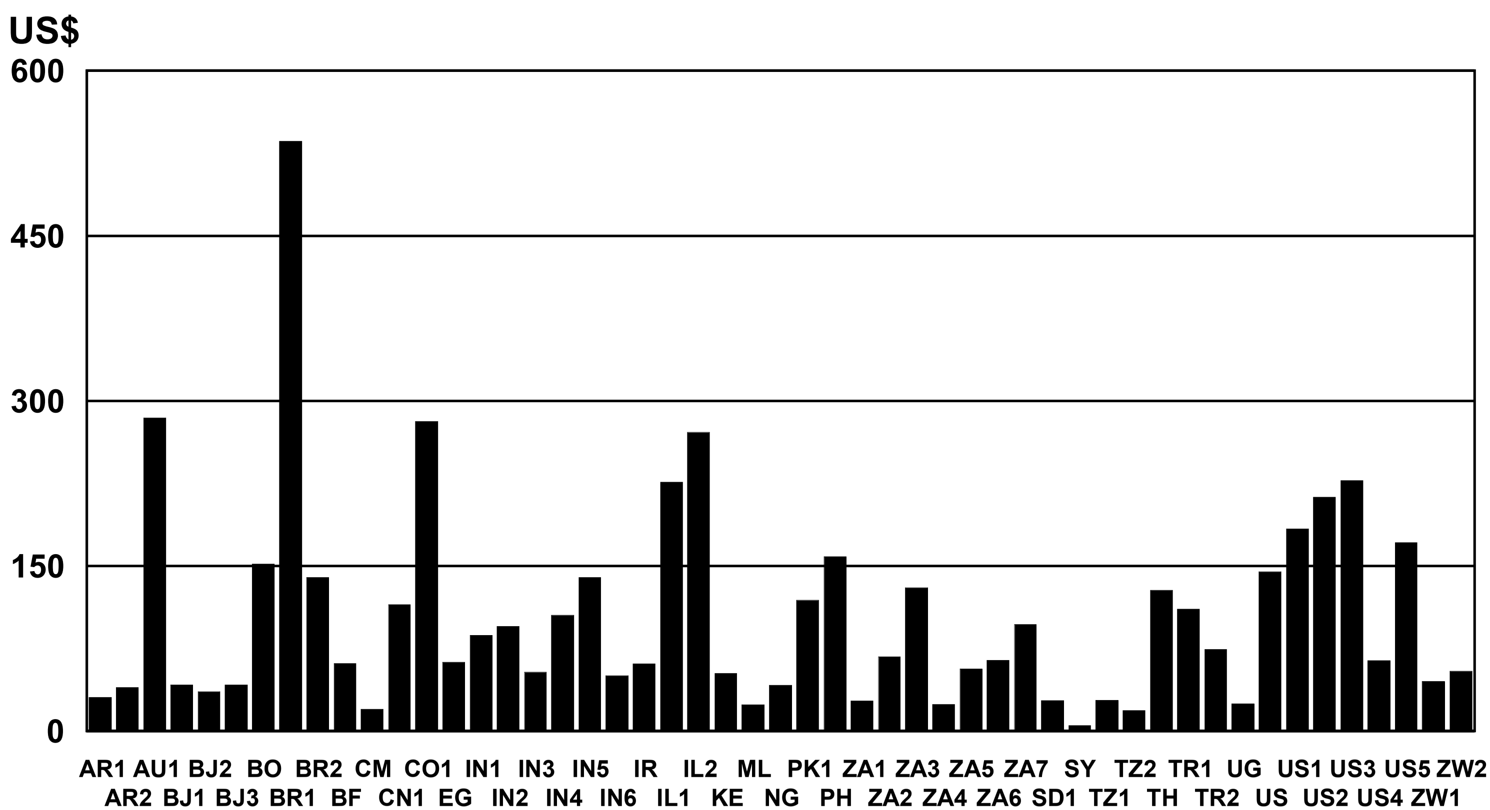



Planting Seed Costs Per Hectare
US$
150
100
50
0
AR1 AU1 BR1 BG CM CO1 IN1 IN3 IN5 IR IL2 NG PH ZA2 ZA4 ZA6 SD1 TZ1 TH TR2 US US2 US4 ZW1
AR2 BO BR2 BF CN1 EG IN2 IN4 IN6 IL1 KE PK1 ZA1 ZA3 ZA5 ZA7 SY TZ2 TR1 UG US1 US3 US5 ZW2

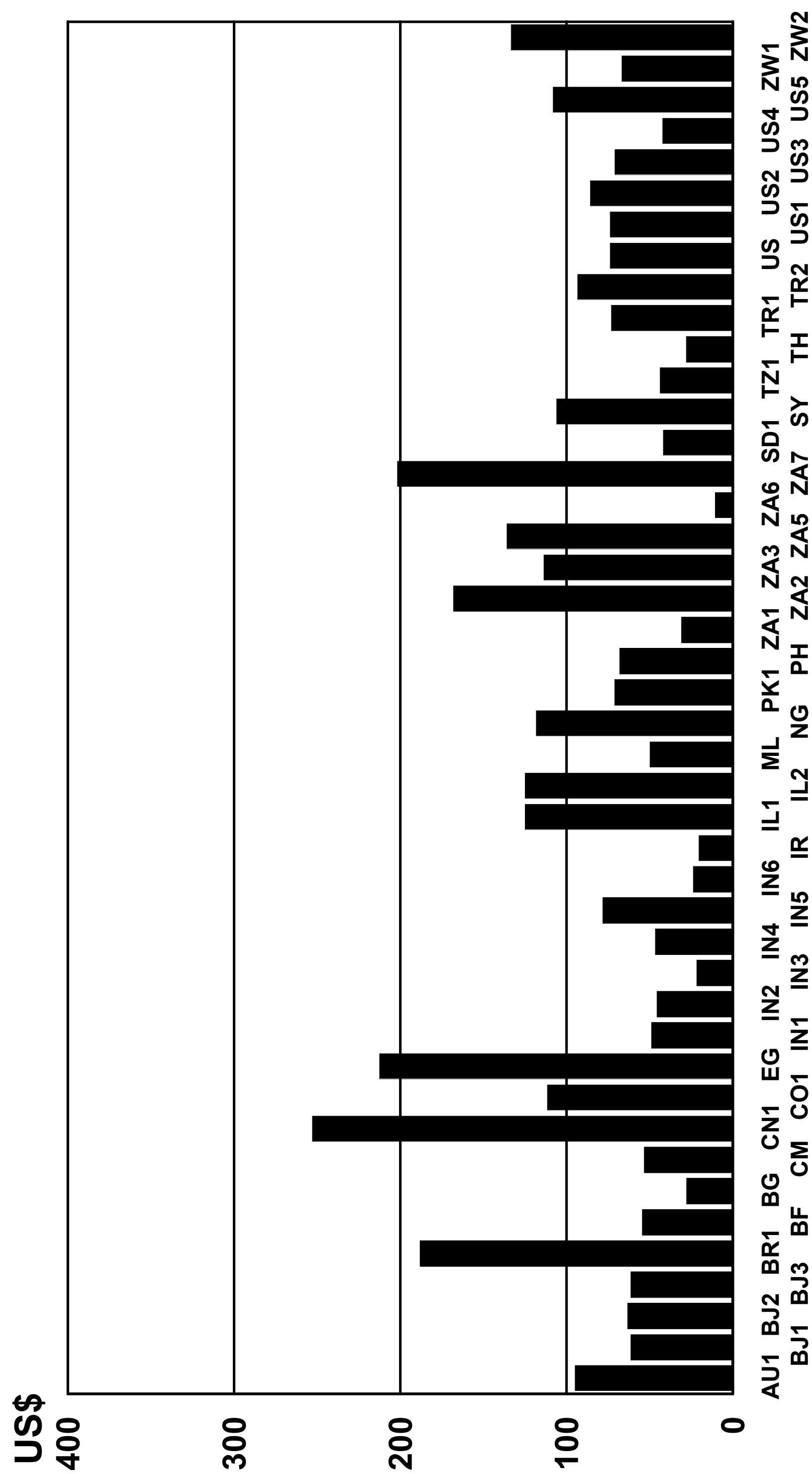
# Weed Control Costs Per Hectare



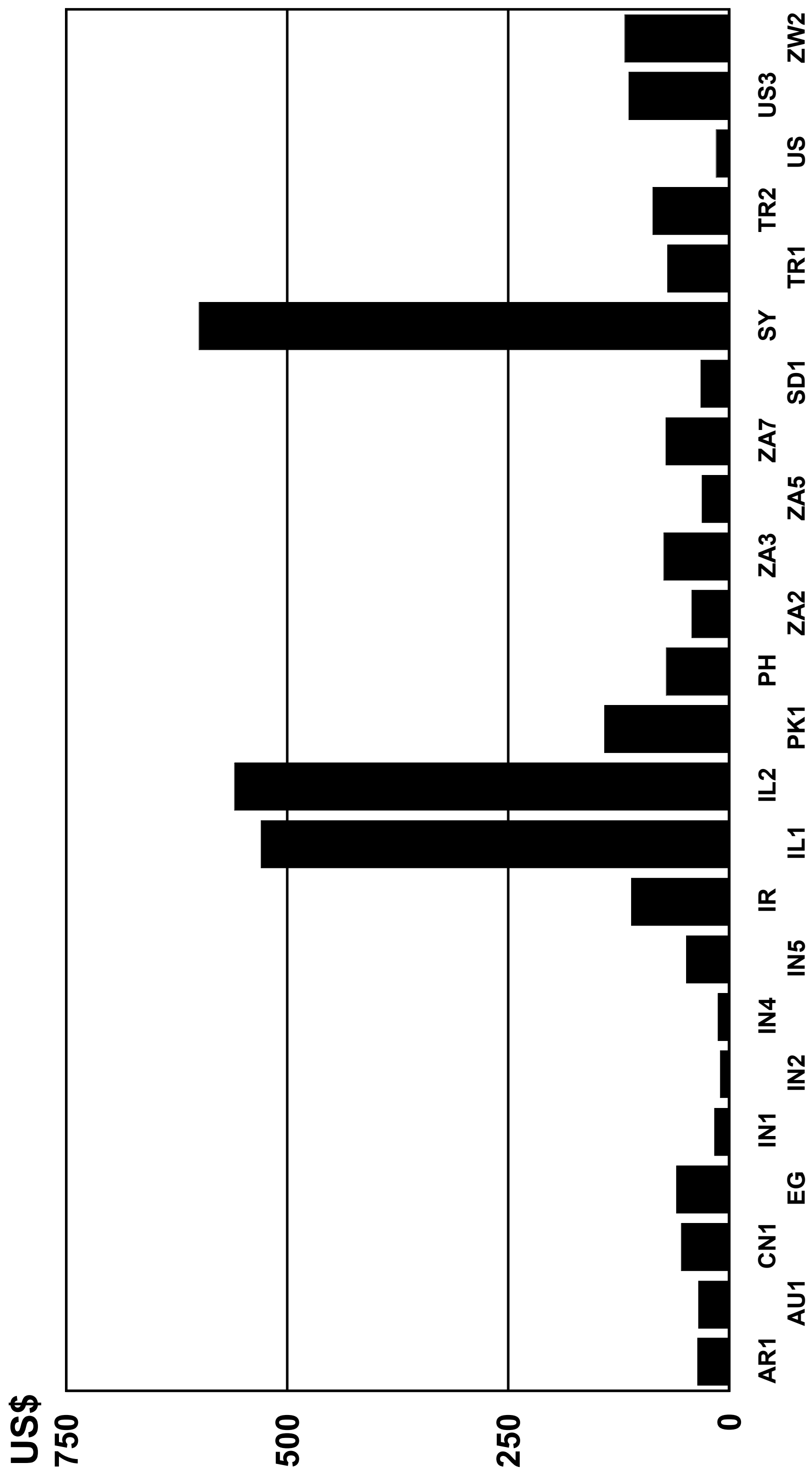
# Insect Control Costs Per Hectare



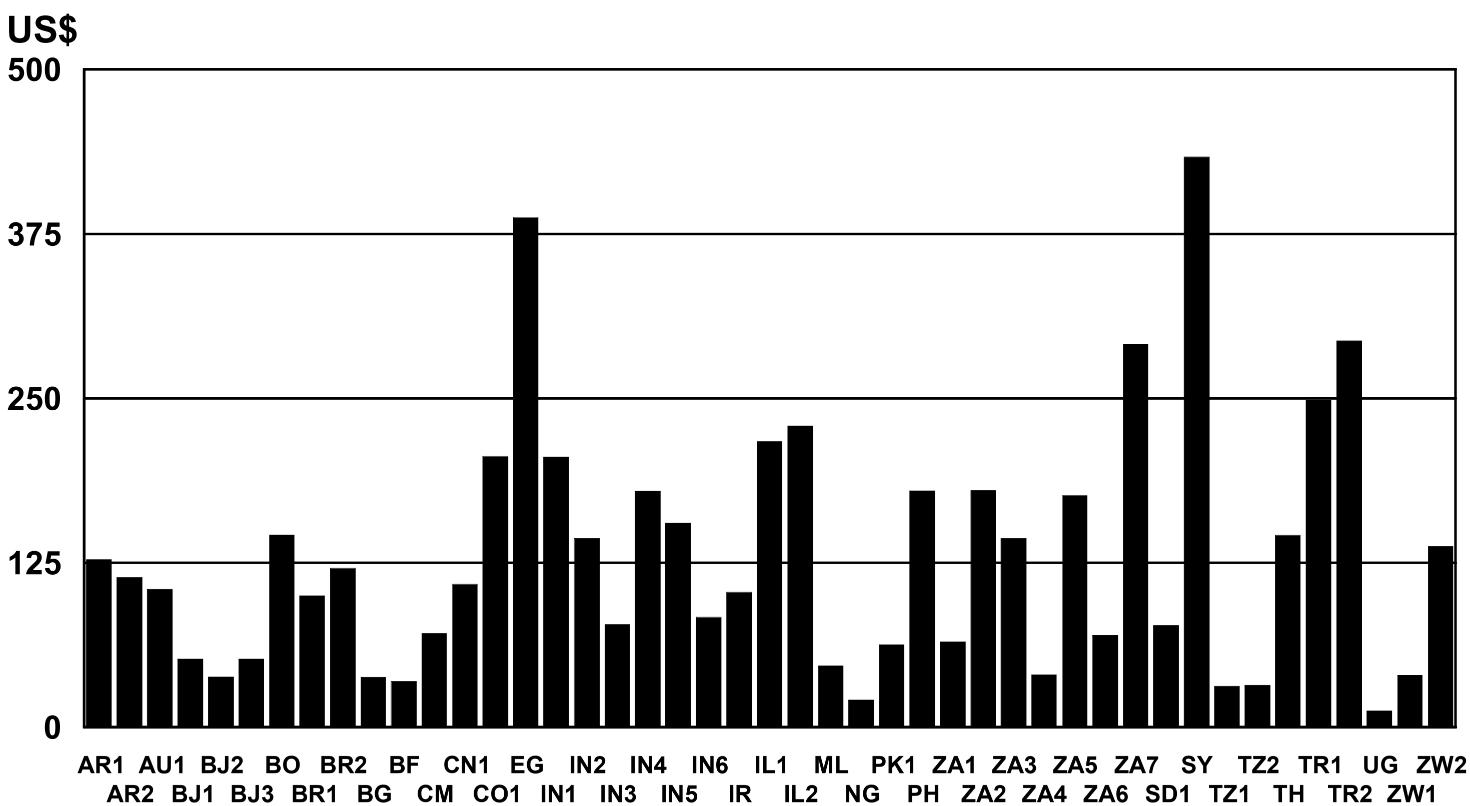
# Fertilizer Costs Per Hectare

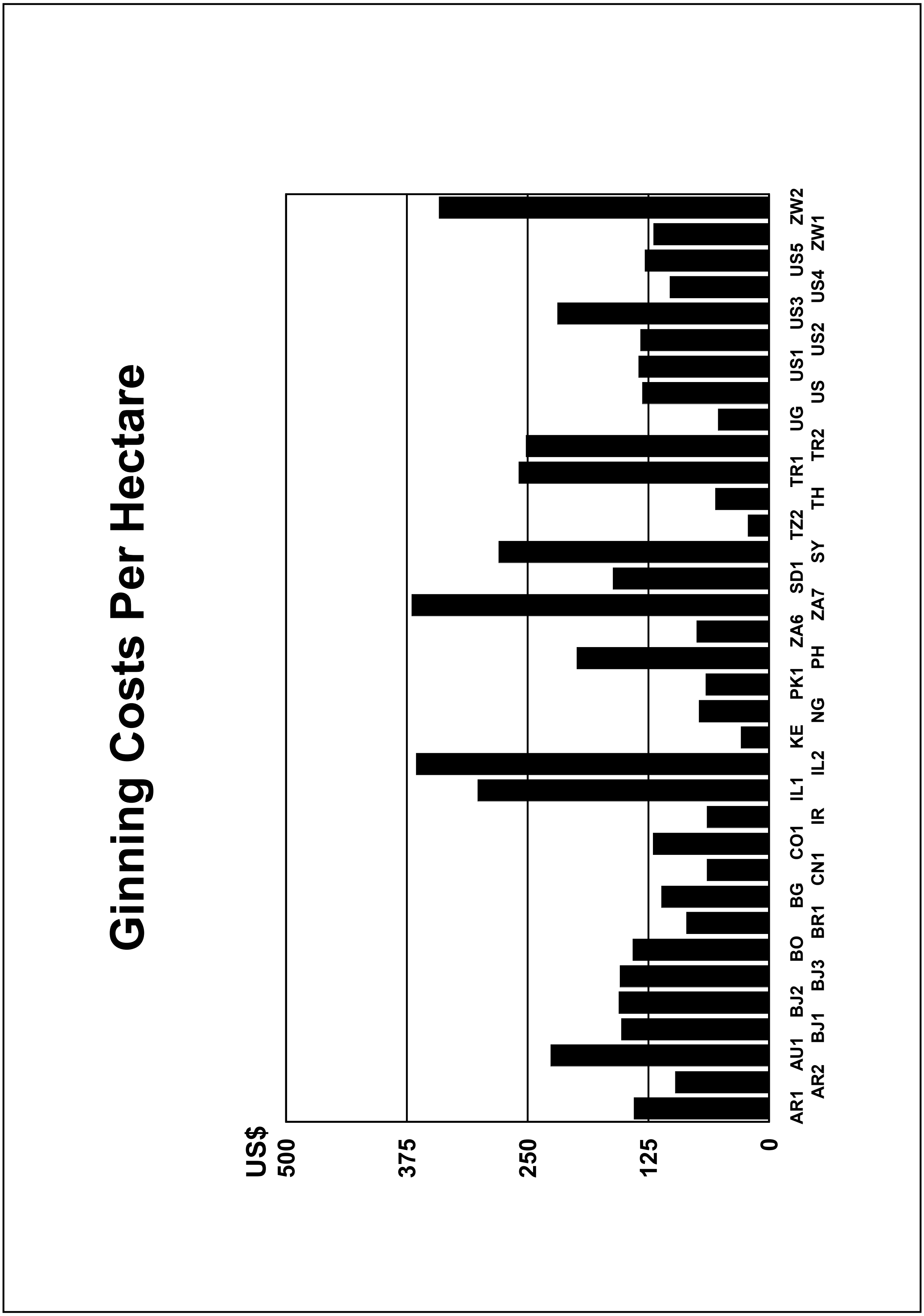


## Irrigation Costs Per Hectare

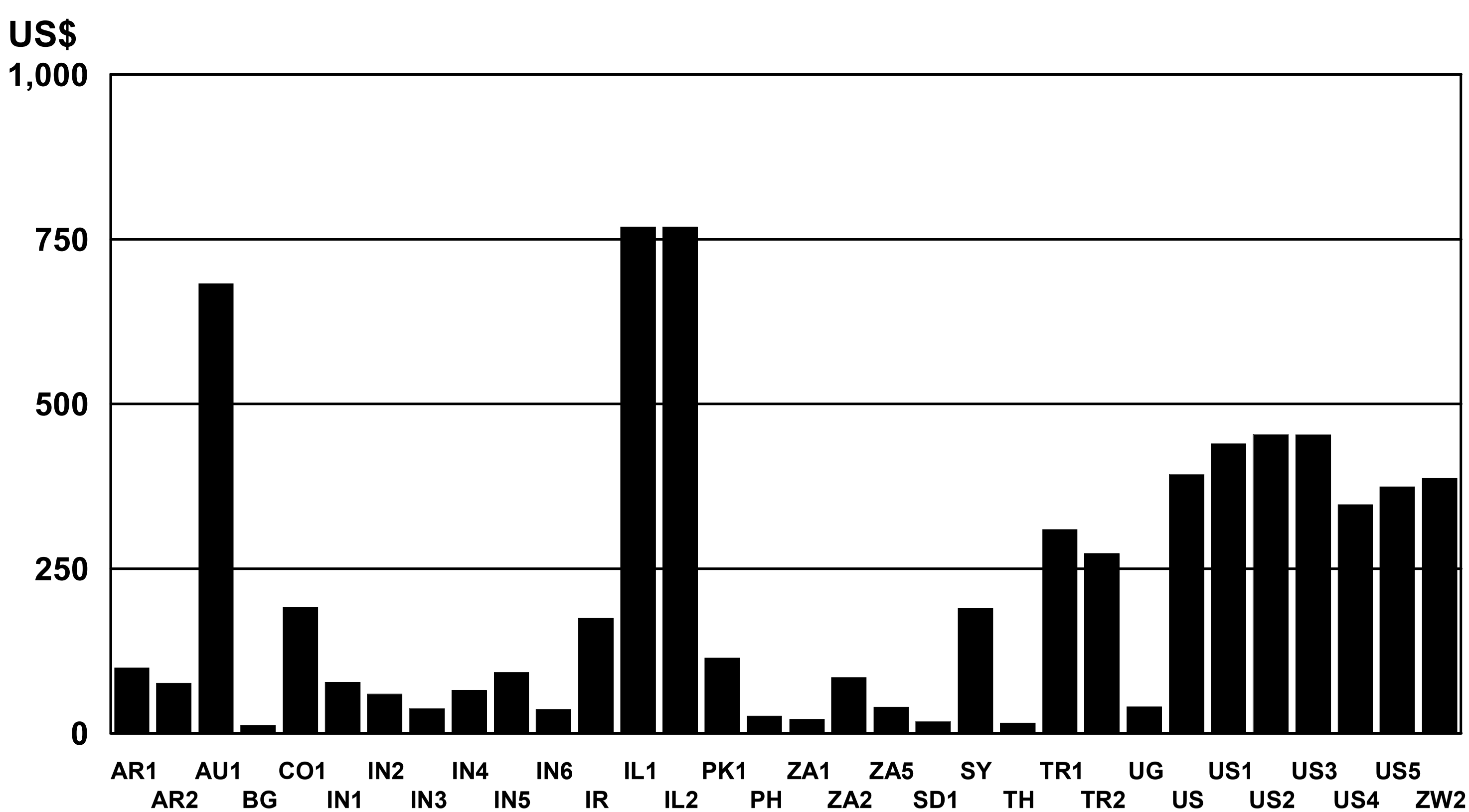


# Harvesting Costs Per Hectare

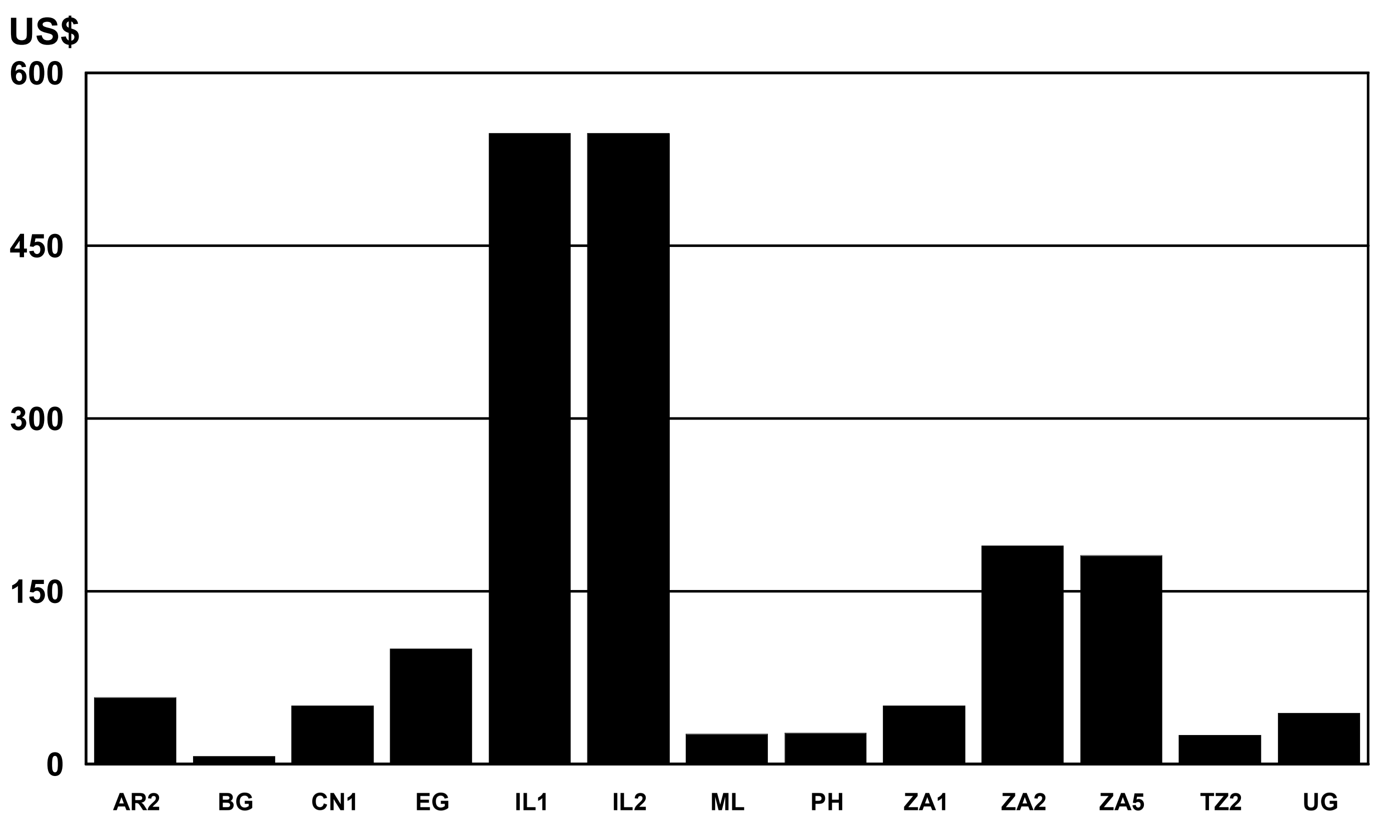



Ginning Costs Per Hectare
US$
500
375
250
125
0
AR1
AR2
AU1
BJ1
BJ2
BJ3
BO
BR1
BG
CN1
CO1
IR
IL1
IL2
KE
NG
PK1
PH
ZA6
ZA7
SD1
SY
TZ2
TH
TR1
TR2
UG
US
US1
US2
US3
US4
US5
ZW1
ZW2

# Economic Costs Per Hectare

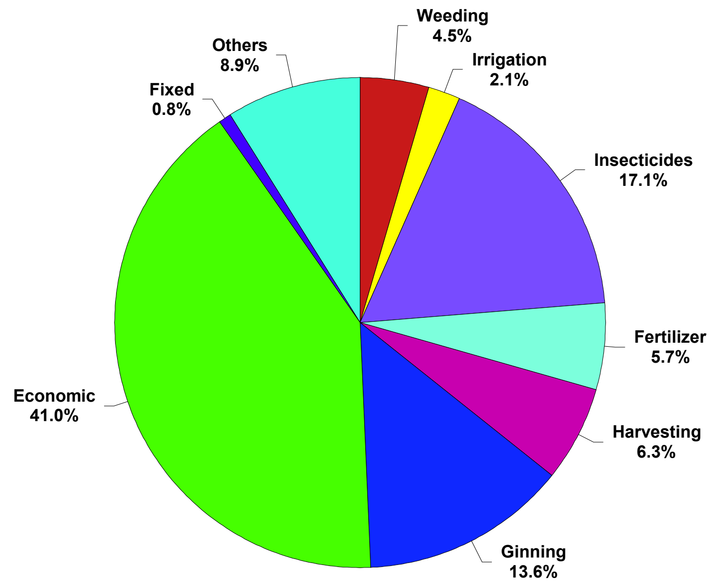


# Fixed Costs Per Hectare

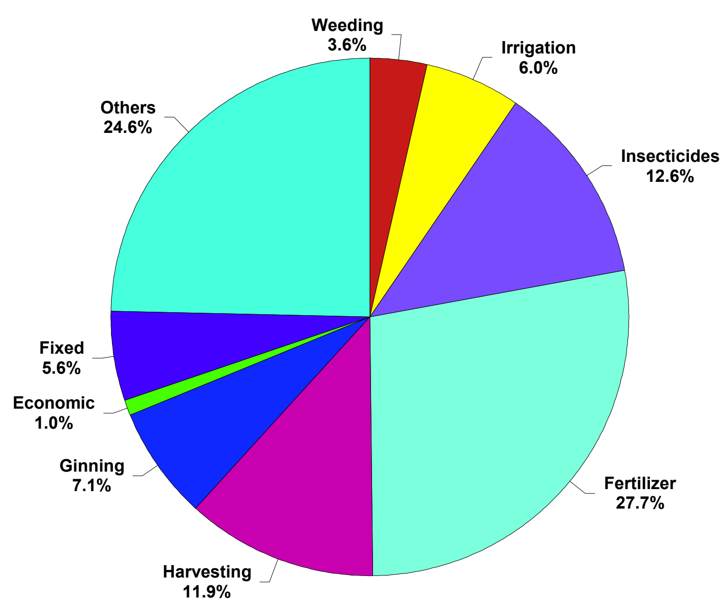


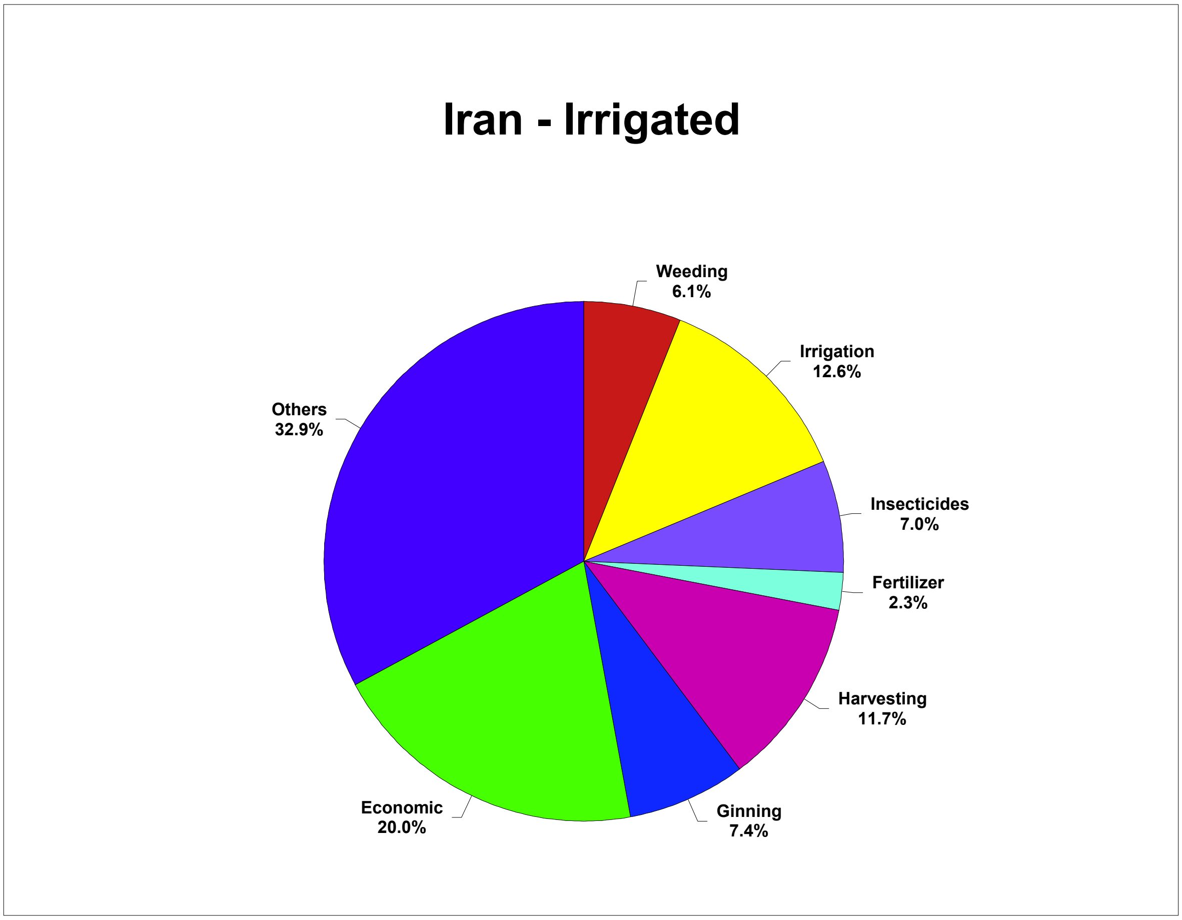
# COST STRUCTURE

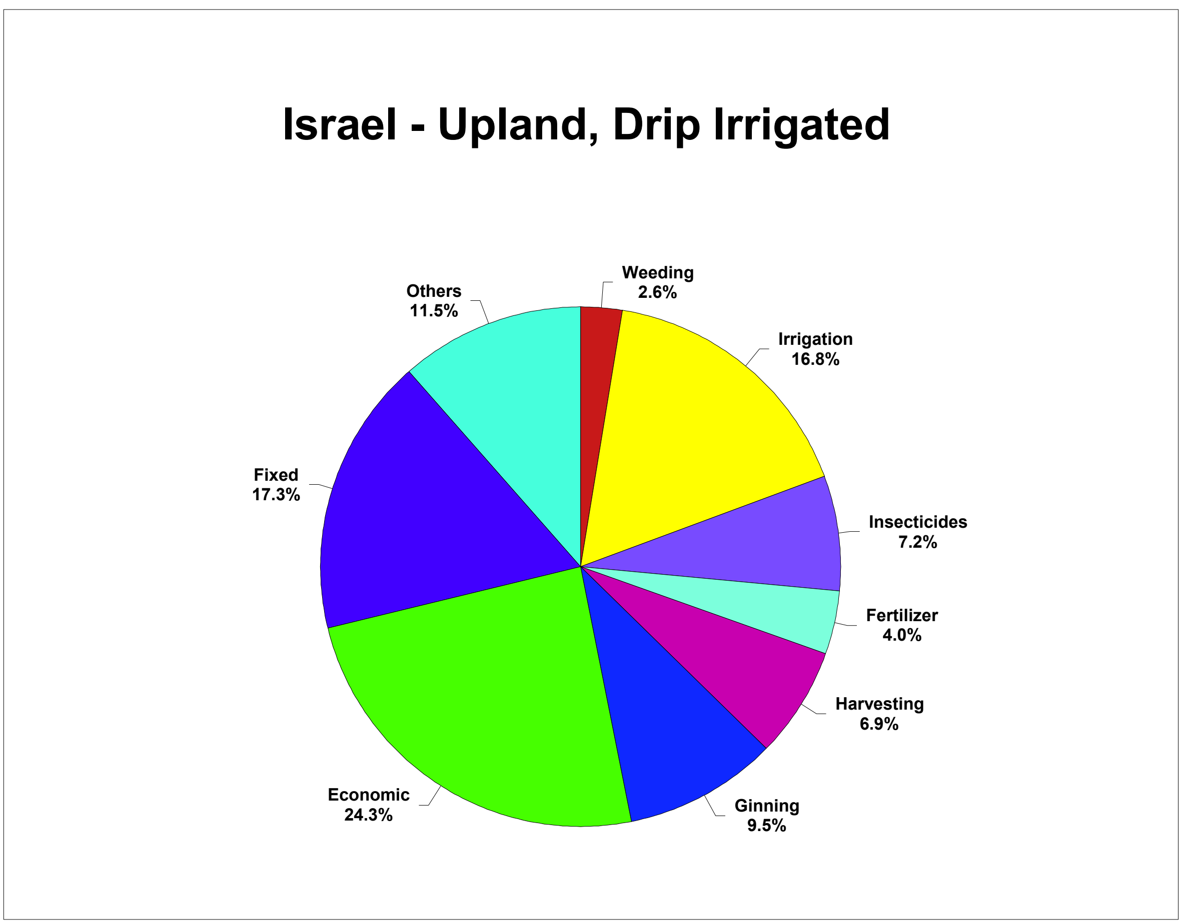
# Australia - Irrigated Upland



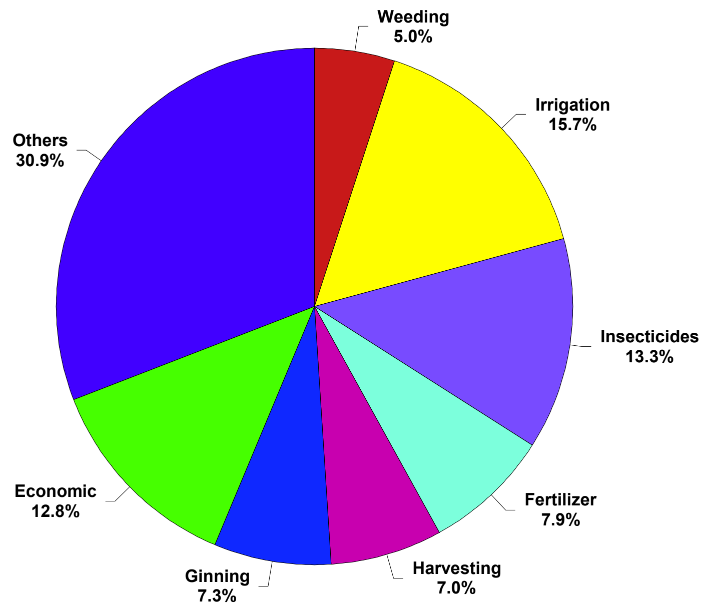

# China (M) - Yellow River Valley, Irrigated



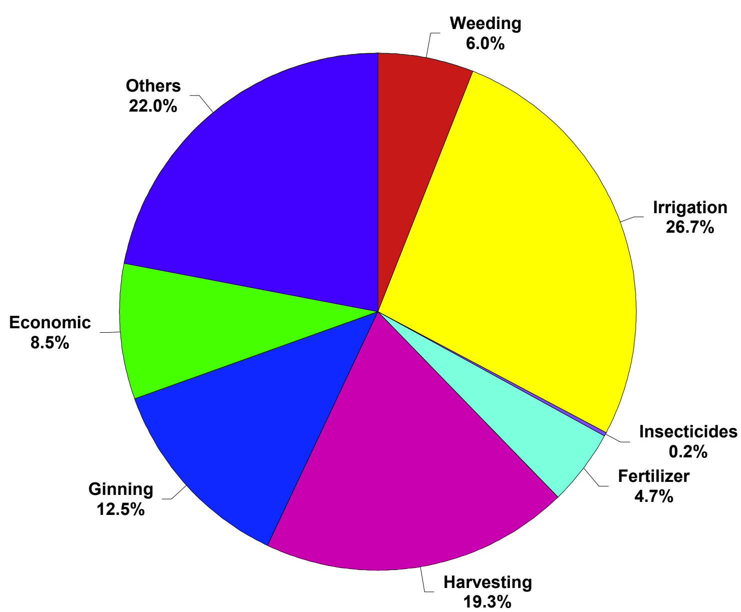

Iran - Irrigated
Weeding
6.1%
Irrigation
12.6%
Insecticides
7.0%
Fertilizer
2.3%
Harvesting
11.7%
Ginning
7.4%
Economic
20.0%
Others
32.9%

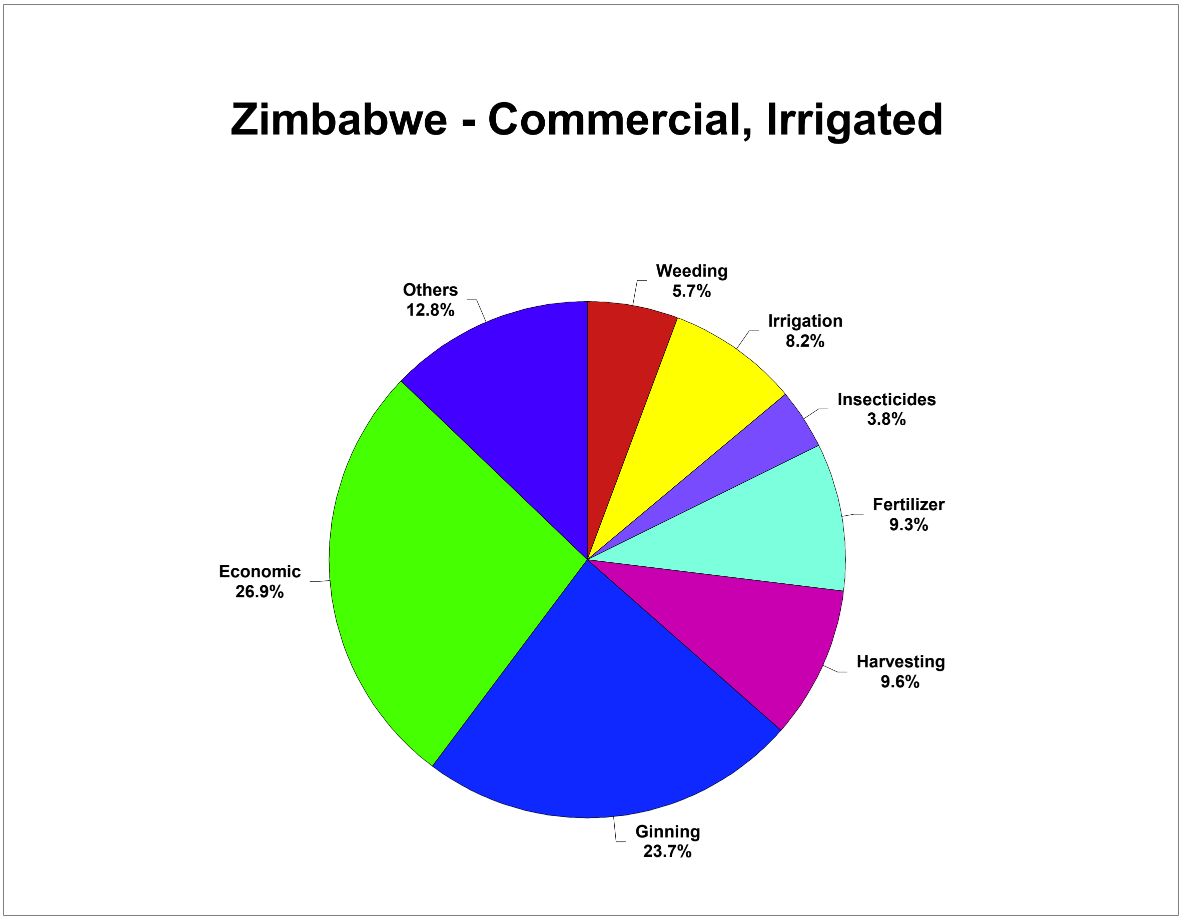

Israel - Upland, Drip Irrigated
Weeding
2.6%
Irrigation
16.8%
Insecticides
7.2%
Fertilizer
4.0%
Harvesting
6.9%
Ginning
9.5%
Economic
24.3%
Fixed
17.3%
Others
11.5%

# Pakistan - Punjab, Irrigated

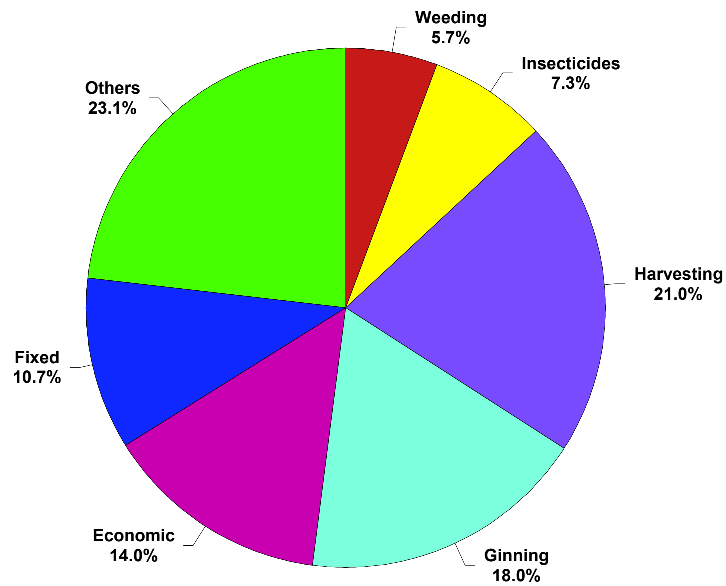



# Syria - Irrigated

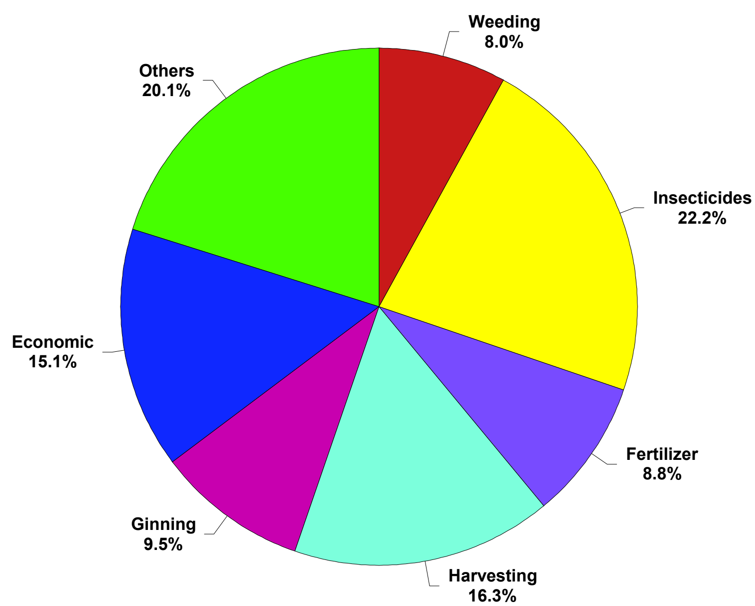



Zimbabwe - Commercial, Irrigated
Weeding
5.7%
Irrigation
8.2%
Insecticides
3.8%
Fertilizer
9.3%
Harvesting
9.6%
Ginning
23.7%
Economic
26.9%
Others
12.8%

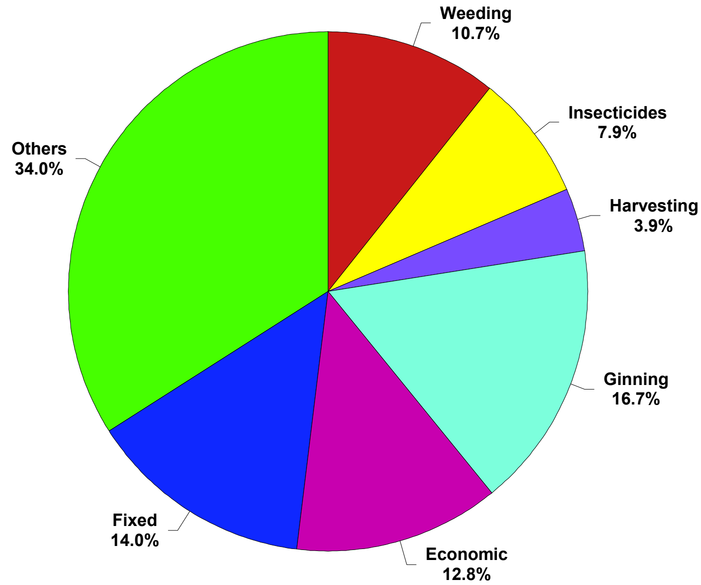
# Argentina - Rainfed



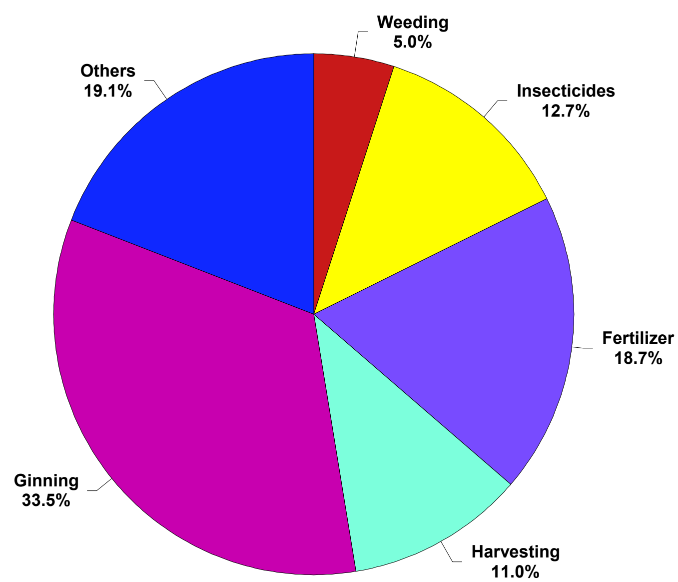

# Colombia - Atlantic Coast, Rainfed



# Uganda - Rainfed




# Zimbabwe - Communal Dryland



# COUNTRY RESPONSES

# Cost of Producing One Hectare in Argentina
## Region - Santiago del Estero (Irrigated)

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | ha | 1.00 | 2.85 | 2.85 | 2.85 |
| Pre-soaking irrigation | ha | 1.00 | 12.00 | 12.00 | 12.00 |
| Ploughing with semi heavy harrow | agri labor units | 0.70 | 18.60 | 13.02 | 13.02 |
| Planking (Lavelling) | agri labor units | 0.60 | 18.60 | 11.16 | 11.16 |
| Other (Mounting and dis-mounting of edger | agri labor units | 0.30 | 18.60 | 5.58 | 5.58 |
| **Sub-total** | | | | **44.61** | **44.61** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation with harrow (2 times | agri labor units | 0.6\|0.7 | 18.60 | 24.16 | 24.16 |
| Seed | kg | 17.00 | 1.40 | 23.80 | 23.80 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | liter | 2.00 | 6.60 | 13.20 | 13.20 |
| Fertilizer (Basal dose) | | | | | |
| Drilling | agri labor units | 0.60 | 18.60 | 11.16 | 11.16 |
| Other | | | | | |
| **Sub-total** | | | | **72.32** | **72.32** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding (Two times) | ha | 1.00 | 24.00 | 24.00 | 24.00 |
| Hoeing | agri labor units | 0.50 | 18.60 | 9.30 | 9.30 |
| Herbicides (Including application) | ha | 1.00 | 24.33 | 24.33 | 24.33 |
| Fertilizer (Total) | | | | | |
| Irrigation | no. of irrigations | 2.00 | 12.00 | 24.00 | 24.00 |
| Insecticides (Chemicals+application) | no. of sprays | 4.00 | 7.64 | 30.56 | 30.56 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **112.19** | **112.19** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | ton seedcotton | 2.00 | 60.00 | 120.00 | 120.00 |
| Stick cutting/slashing | agri labor units | 0.40 | 18.60 | 7.44 | 7.44 |
| Other | | | | | |
| **Sub-total** | | | | **127.44** | **127.44** |
| **Seed Cotton Costs** | | | | **356.56** | **356.56** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton seedcotton | 2.00 | 10.00 | 20.00 | 20.00 |
| Ginning (Including bagging) | ton seedcotton | 2.00 | 50.00 | 100.00 | 100.00 |
| Classing/grading charges (To IASCAV) | percent | 2.00 | 275.00 | 11.00 | 11.00 |
| Other (Truck loading) | ton seedcotton | 2.00 | 4.50 | 9.00 | 9.00 |
| **Sub-total** | | | | **140.00** | **140.00** |
| **Variable Cash Costs** | | | | **496.56** | **496.56** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | Economic costs are in general 20% of total costs. | | | 99.31 | 99.31 |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **99.31** | **99.31** |
| **7. FIXED COSTS** | | | | | |
| Power supply | Depreciation and repair costs are included under labor costs. | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **595.87** | **595.87** |
| **9. VALUE OF SEED COTTON** | kg | 2,000.00 | 0.28 | 550.00 | 550.00 |
| **10. NET VALUE OF LINT** | kg | 660.00 | 1.10 | 726.00 | 726.00 |
| **11. NET VALUE OF SEED** | kg | 1,000.00 | 0.06 | 55.00 | 55.00 |

# Cost of Producing One Hectare in Argentina
## Region - Rainfed

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | ha | 1.00 | 14.00 | 14.00 | 14.00 |
| Pre-soaking irrigation | | | | | |
| Ploughing (with semi heavy harrow) | ha | 2.00 | 9.68 | 19.36 | 19.36 |
| Planking | | | | | |
| Other (Ploughing) | ha | 1.00 | 8.95 | 8.95 | 8.95 |
| **Sub-total** | | | | **42.31** | **42.31** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 25.00 | 0.60 | 15.00 | 15.00 |
| Seed treatment | kg | 0.25 | 11.80 | 2.95 | 2.95 |
| Herbicides (Pre-sowing & pre emergence) | ha | 1.00 | 16.86\|14.2 | 31.06 | 31.06 |
| Fertilizer (Basal dose) | | | | | |
| Drilling | ha | 1.25 | 5.50 | 6.88 | 6.88 |
| Other | | | | | |
| **Sub-total** | | | | **55.89** | **55.89** |
| **3. GROWING** | | | | | |
| Thinning | ha | 1.00 | 13.50 | 13.50 | 13.50 |
| Weeding | | | | | |
| Hoeing | ha | 3.00 | 5.14 | 15.42 | 15.42 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides | no. of sprays | 5.00 | 7.95 | 39.75 | 39.75 |
| Defoliation | ha | 1.00 | 25.24 | 25.24 | 25.24 |
| Other (Growth regulators) | ha | 1.00 | 3.94 | 3.94 | 3.94 |
| **Sub-total** | | | | **97.85** | **97.85** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | ha | 1.00 | 60.00 | 60.00 | 60.00 |
| Stick cutting/slashing | ha | 1.00 | 6.19 | 6.19 | 6.19 |
| Other (Commercialization cost) | ton seedcotton | 1.40 | 34.00 | 47.60 | 47.60 |
| **Sub-total** | | | | **113.79** | **113.79** |
| **Seed Cotton Costs** | | | | **309.84** | **309.84** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton seedcotton | 1.40 | 8.00 | 11.20 | 11.20 |
| Ginning (Including bagging) | ton seedcotton | 1.40 | 60.00 | 84.00 | 84.00 |
| Classing/grading charges (To IASCAV) | ton seedcotton | 1.40 | 1.40 | 1.96 | 1.96 |
| Other | | | | | |
| **Sub-total** | | | | **97.16** | **97.16** |
| **Variable Cash Costs** | | | | **407.00** | **407.00** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | ha | 1.00 | 6.00 | 6.00 | 6.00 |
| Interest on capital invested | | | | | |
| All repairs | ha | 1.00 | 5.00 | 5.00 | 5.00 |
| General farm overheads | ha | 1.00 | 65.00 | 65.00 | 65.00 |
| Other | | | | | |
| **Sub-total** | | | | **76.00** | **76.00** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other (All fixed costs) | | | | 58.00 | 58.00 |
| **Sub-total** | | | | **58.00** | **58.00** |
| **8. TOTAL COST** | | | | **541.00** | **541.00** |
| **9. VALUE OF SEED COTTON** | kg | 1,400.00 | 0.25 | 350.00 | 350.00 |
| **10. NET VALUE OF LINT** | kg | 434.00 | 1.25 | 542.50 | 542.50 |
| **11. NET VALUE OF SEED** | kg | 756.00 | 0.04 | 30.24 | 30.24 |

# Cost of Producing One Hectare in Australia
## Region - Irrigated Upland

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | Covered under irrigation for all water costs. | | | | |
| Ploughing (Contract farming, ripping, cultivation) | | | | 63.00 | 31.50 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **63.00** | **31.50** |
| **2. SOWING** | | | | | |
| Soaking irrigation | Covered under irrigation. | | | | |
| Land preparation | Covered under contract farming. | | | | |
| Seed | | | | 45.00 | 22.50 |
| Seed treatment (Included in seed) | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **45.00** | **22.50** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing (Chipping) | | | | 84.00 | 42.00 |
| Herbicides (Post-sowing) | | | | 151.00 | 75.50 |
| Fertilizer (Total) | | | | 190.00 | 95.00 |
| Irrigation | | | | 70.00 | 35.00 |
| Insecticides (Insecticides, chemical application and Ingard licence fee) | | | 414.0\|122.0\|33.0 | 569.00 | 284.50 |
| Defoliation | | | | 86.00 | 43.00 |
| Other (Growth regulators) | | | | 15.00 | 7.50 |
| **Sub-total** | | | | **1,165.00** | **582.50** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | 198.00 | 99.00 |
| Stick cutting/slashing | Covered under contract farming. | | | | |
| Other (Cotton picking sundries) | | | | 12.00 | 6.00 |
| **Sub-total** | | | | **210.00** | **105.00** |
| **Seed Cotton Costs** | | | | **1,483.00** | **741.50** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 67.00 | 33.50 |
| Ginning (Including bagging) | | | | 385.00 | 192.50 |
| Classing/grading charges | Included in the net value of lint. | | | | |
| Other | | | | | |
| **Sub-total** | | | | **452.00** | **226.00** |
| **Variable Cash Costs** | | | | **1,935.00** | **967.50** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative (Administration/consultant fee) | | | | 92.00 | 46.00 |
| Interest (Bank charges, insurance-ADD proprietors wages) | | | 252.00-53.00 | 199.00 | 99.50 |
| All repairs and maintenance | | | | 197.00 | 98.50 |
| General farm overheads (Wages and others) | | | | 389.00 | 194.50 |
| Other (Fuel and oil\|leasing, depreciation\|insurance\|motor vehicle expenses) | | | 132\|265\|74\|17 | 488.00 | 244.00 |
| **Sub-total** | | | | **1,365.00** | **682.50** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | 28.00 | 14.00 |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **28.00** | **14.00** |
| **8. TOTAL COST** | | | | **3,328.00** | **1,664.00** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 1,500.00 | 2.36 | 3,535.00 | 1,767.50 |
| **11. NET VALUE OF SEED** | | | | 313.00 | 156.50 |

# Cost of Producing One Hectare in Benin
## Region - North Zou

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 15,000.00 | 21.43 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing with labor | 20 meter ridges | 625.00 | 50.00 | 31,250.00 | 44.64 |
| Planking | | | | | |
| Other (Field cleaning & removal of stubbles | mandays | 50.00 | 700.00 | 35,000.00 | 50.00 |
| **Sub-total** | | | | **81,250.00** | **116.07** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | | |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Distribution of fertilizer) | 20 meter ridges | 625.00 | 8.00 | 5,000.00 | 7.14 |
| Drilling | 20 meter ridges | 625.00 | 8.00 | 5,000.00 | 7.14 |
| Other | | | | | |
| **Sub-total** | | | | **10,000.00** | **14.29** |
| **3. GROWING** | | | | | |
| Thinning | 20 meter ridges | 625.00 | 5.00 | 3,125.00 | 4.46 |
| Weeding (Two times) | 20 meter ridges | 625.00 | 40.00 | 25,000.00 | 35.71 |
| Hoeing | 20 meter ridges | 625.00 | 20.00 | 12,500.00 | 17.86 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 200.00 | 190.00 | 38,000.00 | 54.29 |
| Irrigation | | | | | |
| Insecticides | liter | 7.00 | 4,200.00 | 29,400.00 | 42.00 |
| Defoliation | | | | | |
| Other (Phytosanitary treatment) | mandays | 6.00 | 500.00 | 3,000.00 | 4.29 |
| **Sub-total** | | | | **111,025.00** | **158.61** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | 20 meter ridges | 625.00 | 50.00 | 31,250.00 | 44.64 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing (Rooting up) | ha | 1.00 | 5,000.00 | 5,000.00 | 7.14 |
| Other | | | | | |
| **Sub-total** | | | | **36,250.00** | **51.79** |
| **Seed Cotton Costs** | | | | **238,525.00** | **340.75** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 3,000.00 | 4.29 |
| Ginning (Including bagging) | kg seedcotton | 1,500.00 | 68.00 | 102,000.00 | 145.71 |
| Classing/grading charges | | | | | |
| Other (Market fee) | | | | 2,000.00 | 2.86 |
| **Sub-total** | | | | **107,000.00** | **152.86** |
| **Variable Cash Costs** | | | | **345,525.00** | **493.61** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other (Batteries & equipment amortization) | | | | 3,900.00 | 5.57 |
| **Sub-total** | | | | **3,900.00** | **5.57** |
| **8. TOTAL COST** | | | | **349,425.00** | **499.18** |
| **9. VALUE OF SEED COTTON** | kg | 1,500.00 | 200.00 | 300,000.00 | 428.57 |
| **10. NET VALUE OF LINT** | kg | 645.00 | 800.00 | 516,000.00 | 737.14 |
| **11. NET VALUE OF SEED** | kg | 810.00 | 30.00 | 24,300.00 | 34.71 |

# Cost of Producing One Hectare in Benin
## Region - South Zou

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 15,000.00 | 21.43 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing with labor | 20 meter ridges | 625.00 | 35.00 | 21,875.00 | 31.25 |
| Planking | | | | | |
| Other (Field cleaning & removal of stubbles | 20 meter ridges | 625.00 | 57.50 | 35,937.50 | 51.34 |
| **Sub-total** | | | | **72,812.50** | **104.02** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | | |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Distribution of fertilizer) | 20 meter ridges | 625.00 | 10.00 | 6,250.00 | 8.93 |
| Drilling | 20 meter ridges | 625.00 | 10.00 | 6,250.00 | 8.93 |
| Other | | | | | |
| **Sub-total** | | | | **12,500.00** | **17.86** |
| **3. GROWING** | | | | | |
| Thinning | 20 meter ridges | 625.00 | 20.00 | 12,500.00 | 17.86 |
| Weeding (Two times) | 20 meter ridges | 625.00 | 25.00 | 15,625.00 | 22.32 |
| Hoeing | 20 meter ridges | 625.00 | 15.00 | 9,375.00 | 13.39 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | 50 kg bags | 4.00 | 9,500.00 | 38,000.00 | 54.29 |
| Irrigation | | | | | |
| Insecticides | liter | 6.00 | 4,200.00 | 25,200.00 | 36.00 |
| Defoliation | | | | | |
| Other (Phytosanitary treatment) | mandays | 6.00 | 500.00 | 3,000.00 | 4.29 |
| **Sub-total** | | | | **103,700.00** | **148.14** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | 20 meter ridges | 625.00 | 35.00 | 21,875.00 | 31.25 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing (Rooting up) | ha | 1.00 | 5,000.00 | 5,000.00 | 7.14 |
| Other | | | | | |
| **Sub-total** | | | | **26,875.00** | **38.39** |
| **Seed Cotton Costs** | | | | **215,887.50** | **308.41** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 5,000.00 | 7.14 |
| Ginning (Including bagging) | kg seedcotton | 1,500.00 | 68.00 | 102,000.00 | 145.71 |
| Classing/grading charges | | | | | |
| Other (Market fee) | | | | 2,000.00 | 2.86 |
| **Sub-total** | | | | **109,000.00** | **155.71** |
| **Variable Cash Costs** | | | | **324,887.50** | **464.13** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other (Batteries & equipment amortization) | | | | 2,900.00 | 4.14 |
| **Sub-total** | | | | **2,900.00** | **4.14** |
| **8. TOTAL COST** | | | | **327,787.50** | **468.27** |
| **9. VALUE OF SEED COTTON** | kg | 1,500.00 | 200.00 | 300,000.00 | 428.57 |
| **10. NET VALUE OF LINT** | kg | 645.00 | 800.00 | 516,000.00 | 737.14 |
| **11. NET VALUE OF SEED** | kg | 810.00 | 30.00 | 24,300.00 | 34.71 |

# Cost of Producing One Hectare in Benin
## Region - Borgou-Atacora

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 15,000.00 | 21.43 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing with labor | 20 meter ridges | 625.00 | 50.00 | 31,250.00 | 44.64 |
| Planking | | | | | |
| Other (Field cleaning & removal of stubbles | 20 meter ridges | 625.00 | 56.00 | 35,000.00 | 50.00 |
| **Sub-total** | | | | **81,250.00** | **116.07** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | | |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Distribution of fertilizer) | 20 meter ridges | 625.00 | 8.00 | 5,000.00 | 7.14 |
| Drilling | 20 meter ridges | 625.00 | 10.00 | 6,250.00 | 8.93 |
| Other | | | | | |
| **Sub-total** | | | | **11,250.00** | **16.07** |
| **3. GROWING** | | | | | |
| Thinning | 20 meter ridges | 625.00 | 5.00 | 3,125.00 | 4.46 |
| Weeding (Two times) | 20 meter ridges | 625.00 | 40.00 | 25,000.00 | 35.71 |
| Hoeing | 20 meter ridges | 625.00 | 20.00 | 12,500.00 | 17.86 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 200.00 | 190.00 | 38,000.00 | 54.29 |
| Irrigation | | | | | |
| Insecticides | liter | 7.00 | 4,200.00 | 29,400.00 | 42.00 |
| Defoliation | | | | | |
| Other (Phytosanitary treatment) | mandays | 6.00 | 500.00 | 3,000.00 | 4.29 |
| **Sub-total** | | | | **111,025.00** | **158.61** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | 20 meter ridges | 625.00 | 50.00 | 31,250.00 | 44.64 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing (Rooting up) | ha | 1.00 | 5,000.00 | 5,000.00 | 7.14 |
| Other | | | | | |
| **Sub-total** | | | | **36,250.00** | **51.79** |
| **Seed Cotton Costs** | | | | **239,775.00** | **342.54** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 4,000.00 | 5.71 |
| Ginning (Including bagging) | kg seedcotton | 1,500.00 | 68.00 | 102,000.00 | 145.71 |
| Classing/grading charges | | | | | |
| Other (Market fee) | | | | 2,000.00 | 2.86 |
| **Sub-total** | | | | **108,000.00** | **154.29** |
| **Variable Cash Costs** | | | | **347,775.00** | **496.82** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other (Batteries & equipment amortization) | | | | 3,900.00 | 5.57 |
| **Sub-total** | | | | **3,900.00** | **5.57** |
| **8. TOTAL COST** | | | | **351,675.00** | **502.39** |
| **9. VALUE OF SEED COTTON** | kg | 1,500.00 | 200.00 | 300,000.00 | 428.57 |
| **10. NET VALUE OF LINT** | kg | 645.00 | 800.00 | 516,000.00 | 737.14 |
| **11. NET VALUE OF SEED** | kg | 810.00 | 30.00 | 24,300.00 | 34.71 |

# Cost of Producing One Hectare in Bolivia
## Region - Santa Cruz

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 199.80 | 30.00 |
| Land revenue/tax | | | | 2.99 | 0.45 |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | 99.90 | 15.00 |
| Other | | | | 166.50 | 25.00 |
| **Sub-total** | | | | **469.19** | **70.45** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | 99.90 | 15.00 |
| Seed | kg | 11.34 | 18.65 | 211.46 | 31.75 |
| Seed treatment | | | | 59.94 | 9.00 |
| Herbicides (Pre-sowing) | | | | 199.80 | 30.00 |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | 79.92 | 12.00 |
| Other (Herbicide application) | | | | 39.96 | 6.00 |
| **Sub-total** | | | | **690.98** | **103.75** |
| **3. GROWING** | | | | | |
| Thinning | | | | 53.28 | 8.00 |
| Weeding | | | | 199.80 | 30.00 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides (Including application) | | | | 1,010.98 | 151.80 |
| Defoliation | | | | | |
| Other | | | | 133.20 | 20.00 |
| **Sub-total** | | | | **1,397.26** | **209.80** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | 854.14 | 128.25 |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | 66.60 | 10.00 |
| Other (Bags, etc.) | | | | 52.94 | 7.95 |
| **Sub-total** | | | | **973.68** | **146.20** |
| **Seed Cotton Costs** | | | | **3,531.11** | **530.20** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg seedcottton | 2,070.00 | 0.10 | 209.79 | 31.50 |
| Ginning (Including bagging) | kg lint | 690.00 | 1.01 | 699.30 | 105.00 |
| Classing/grading charges | | | | 29.97 | 4.50 |
| Other | | | | | |
| **Sub-total** | | | | **939.06** | **141.00** |
| **Variable Cash Costs** | | | | **4,470.17** | **671.20** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other (Medical services\|utilities) | | | 39.96\|66.6 | 106.56 | 16.00 |
| **Sub-total** | | | | **106.56** | **16.00** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **4,576.73** | **687.20** |
| **9. VALUE OF SEED COTTON** | kg | 2,070.00 | | | |
| **10. NET VALUE OF LINT** | kg | 690.00 | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in Brazil
## Region - Cerrado

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | machine hours | 8.00 | 18.00 | 144.00 | 66.98 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **144.00** | **66.98** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 15.00 | 2.58 | 38.70 | 18.00 |
| Seed treatment | kg | 0.75 | 22.79 | 17.09 | 7.95 |
| Herbicides (Pre-sowing) | kg | 4.00 | 11.93 | 47.73 | 22.20 |
| Fertilizer (Basal dose) | ton | 0.45 | 535.09 | 240.79 | 112.00 |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **344.31** | **160.15** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | mandays | 3.00 | 11.93 | 35.80 | 16.65 |
| Herbicides (Post-sowing) | mandays | 3.00 | 11.93 | 35.80 | 16.65 |
| Fertilizer (Total) | ton | 0.45 | 364.06 | 163.83 | 76.20 |
| Irrigation | | | | | |
| Insecticides | | | | 1,152.40 | 536.00 |
| Defoliation | liter | 1.84 | 44.78 | 82.40 | 38.33 |
| Other (Growth regulators) | liter | 2.00 | 44.78 | 89.57 | 41.66 |
| **Sub-total** | | | | **1,559.79** | **725.49** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | machine hours | 1.00 | 202.96 | 202.96 | 94.40 |
| Stick cutting/slashing | machine hours | 1.00 | 12.04 | 12.04 | 5.60 |
| Other | | | | 0.00 | 0.00 |
| **Sub-total** | | | | **215.00** | **100.00** |
| **Seed Cotton Costs** | | | | **2,263.11** | **1,052.61** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | ha | 1.00 | 172.00 | 172.00 | 80.00 |
| Classing/grading charges | ha | 1.00 | 11.83 | 11.83 | 5.50 |
| Other | | | | | |
| **Sub-total** | | | | **183.83** | **85.50** |
| **Variable Cash Costs** | | | | **2,446.93** | **1,138.11** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | ha | 1.00 | 14.75 | 14.75 | 6.86 |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **14.75** | **6.86** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **2,461.68** | **1,144.97** |
| **9. VALUE OF SEED COTTON** | kg | 2,900.00 | | | |
| **10. NET VALUE OF LINT** | kg | 1,200.00 | 2.52 | 3,018.60 | 1,404.00 |
| **11. NET VALUE OF SEED** | kg | 1,700.00 | 0.54 | 913.75 | 425.00 |

# Cost of Producing One Hectare in Brazil
## Region - Semi Arid

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | machine hours | 4.00 | 20.00 | 79.98 | 37.20 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **79.98** | **37.20** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 20.00 | 1.59 | 31.82 | 14.80 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **31.82** | **14.80** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 2.00 | 10.00 | 20.00 | 9.30 |
| Weeding | | | | | |
| Hoeing | mandays | 10.00 | 10.00 | 99.98 | 46.50 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides | liter | 10.00 | 29.99 | 299.93 | 139.50 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **419.90** | **195.30** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 20.00 | 10.00 | 199.95 | 93.00 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 6.00 | 10.00 | 59.99 | 27.90 |
| Other | | | | | |
| **Sub-total** | | | | **259.94** | **120.90** |
| **Seed Cotton Costs** | | | | **791.63** | **368.20** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **791.63** | **368.20** |
| **9. VALUE OF SEED COTTON** | kg | 1,140.00 | | | |
| **10. NET VALUE OF LINT** | kg | 420.00 | 2.52 | 1,056.51 | 491.40 |
| **11. NET VALUE OF SEED** | kg | 720.00 | 0.54 | 387.00 | 180.00 |

# Cost of Producing One Hectare in Bulgaria
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 90.00 | 90.00 | 42.86 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | ha | 1.00 | 39.93 | 39.93 | 19.01 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **129.93** | **61.87** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | no of operations | 2.00 | 11.88 | 23.76 | 11.31 |
| Seed | kg | 35.00 | 0.80 | 28.00 | 13.33 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | kg | 7.50 | 14.70 | 110.25 | 52.50 |
| Fertilizer (Basal dose) | kg | 27.00 | 2.17 | 58.59 | 27.90 |
| Drilling | ha | 1.00 | 7.92 | 7.92 | 3.77 |
| Other | | | | | |
| **Sub-total** | | | | **228.52** | **108.82** |
| **3. GROWING** | | | | | |
| Thinning | number | 2.00 | 9.90 | 19.80 | 9.43 |
| Weeding | number | 2.00 | 40.00 | 80.00 | 38.10 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides | | | | | |
| Defoliation | kg | 0.50 | 40.00 | 20.00 | 9.52 |
| Other | | | | | |
| **Sub-total** | | | | **119.80** | **57.05** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 220.00 | 0.25 | 55.00 | 26.19 |
| b.Machine picking (%) | kg seedcotton | 500.00 | 0.05 | 25.00 | 11.90 |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **80.00** | **38.10** |
| **Seed Cotton Costs** | | | | **558.25** | **265.83** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 101.20 | 48.19 |
| Ginning (Including bagging) | | | | 132.83 | 63.25 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **234.03** | **111.44** |
| **Variable Cash Costs** | | | | **792.28** | **377.28** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 9.45 | 4.50 |
| Interest on capital invested | | | | 0.43 | 0.20 |
| All repairs | | | | 7.20 | 3.43 |
| General farm overheads | | | | 8.82 | 4.20 |
| Other | | | | | |
| **Sub-total** | | | | **25.90** | **12.33** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | 12.39 | 5.90 |
| Irrigation system at the farm | | | | | |
| Tractors | | | | 1.74 | 0.83 |
| Spray machinery | | | | 0.21 | 0.10 |
| Farm implements | | | | 0.10 | 0.05 |
| Other | | | | | |
| **Sub-total** | | | | **14.44** | **6.88** |
| **8. TOTAL COST** | | | | **832.62** | **396.49** |
| **9. VALUE OF SEED COTTON** | kg | 720.00 | 0.60 | 432.00 | 205.71 |
| **10. NET VALUE OF LINT** | kg | 253.00 | 2.35 | 594.55 | 283.12 |
| **11. NET VALUE OF SEED** | kg | 467.00 | 0.80 | 373.60 | 177.90 |

# Cost of Producing One Hectare in Burkina Faso
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing (Labor) | | | | 17,500.00 | 25.00 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **17,500.00** | **25.00** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 45.00 | 30.00 | 1,350.00 | 1.93 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | 3,000.00 | 4.29 |
| Other | | | | | |
| **Sub-total** | | | | **4,350.00** | **6.21** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | 3,000.00 | 4.29 |
| Hoeing | number | 2.00 | 5,000.00 | 10,000.00 | 14.29 |
| Herbicides (Post-sowing) | liter | 1.50 | 6,977.00 | 10,465.50 | 14.95 |
| Fertilizer (Total) | kg | 150.00 | 254.00 | 38,100.00 | 54.43 |
| Irrigation | | | | | |
| Insecticides, labor for treat. & batteries | liter\|sprays\|no. | 8.0\|6.0\|20.0 | 4538\|300\|250 | 43,104.00 | 61.58 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **104,669.50** | **149.53** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | 20,000.00 | 28.57 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | 2,500.00 | 3.57 |
| Other (Transportation to residence) | | | | 2,000.00 | 2.86 |
| **Sub-total** | | | | **24,500.00** | **35.00** |
| **Seed Cotton Costs** | | | | **151,019.50** | **215.74** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **151,019.50** | **215.74** |
| **9. VALUE OF SEED COTTON** | kg | 1,000.00 | 175.00 | 175,000.00 | 250.00 |
| **10. NET VALUE OF LINT** | kg | 413.00 | | | |
| **11. NET VALUE OF SEED** | kg | 575.00 | 24.00 | 13,800.00 | 19.71 |

# Cost of Producing One Hectare in Cameroon
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 15,000.00 | 21.43 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 20,000.00 | 28.57 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **35,000.00** | **50.00** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 600.00 | 0.86 |
| Seed treatment | | | | 1,600.00 | 2.29 |
| Herbicides (Pre-sowing) | | | | 15,300.00 | 21.86 |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **17,500.00** | **25.00** |
| **3. GROWING** | | | | | |
| Thinning | | | | 4,000.00 | 5.71 |
| Weeding | | | | | |
| Hoeing | | | | 16,000.00 | 22.86 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 37,300.00 | 53.29 |
| Irrigation | | | | | |
| Insecticides | | | | 14,000.00 | 20.00 |
| Defoliation | | | | | |
| Other | | | | 10,000.00 | 14.29 |
| **Sub-total** | | | | **81,300.00** | **116.14** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | 50,000.00 | 71.43 |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **50,000.00** | **71.43** |
| **Seed Cotton Costs** | | | | **183,800.00** | **262.57** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **183,800.00** | **262.57** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in China (Mainland)
## Region - Yellow River Valley

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrig. (Electricity & labor) | | | | 150.00 | 18.14 |
| Ploughing (Machine & labor) | | | | 225.00 | 27.21 |
| Planking | | | | 150.00 | 18.14 |
| Other | | | | | |
| **Sub-total** | | | | **525.00** | **63.48** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | 150.00 | 18.14 |
| Land preparation | | | | 225.00 | 27.21 |
| Seed | | | | 450.00 | 54.41 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | 120.00 | 14.51 |
| Fertilizer (Ckicken dejection) | kg | 175.00 | | 1,417.50 | 171.40 |
| Drilling | | | | 210.00 | 25.39 |
| Other | | | | | |
| **Sub-total** | | | | **2,572.50** | **311.06** |
| **3. GROWING** | | | | | |
| Thinning (Manual) | | | | 75.00 | 9.07 |
| Weeding (By animal and hand) | | | | 30.00 | 3.63 |
| Hoeing (By hand) | | | | 150.00 | 18.14 |
| Herbicides (Post-sowing) | | | | 120.00 | 14.51 |
| Fertilizer (Total), Nitrogen | | | | 675.00 | 81.62 |
| Irrigation | | | | 150.00 | 18.14 |
| Insecticides and applications | | | | 950.00 | 114.87 |
| Defoliation | | | | | |
| Other (Cutting vegetative branches) | | | | 375.00 | 45.34 |
| **Sub-total** | | | | **2,525.00** | **305.32** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | 675.00 | 81.62 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | 150.00 | 18.14 |
| Other | | | | 75.00 | 9.07 |
| **Sub-total** | | | | **900.00** | **108.83** |
| **Seed Cotton Costs** | | | | **6,522.50** | **788.69** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 30.00 | 3.63 |
| Ginning (Including bagging) | | | | 469.50 | 56.77 |
| Classing/grading charges | | | | | |
| Other | | | | 33.30 | 4.03 |
| **Sub-total** | | | | **532.80** | **64.43** |
| **Variable Cash Costs** | | | | **7,055.30** | **853.12** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | 75.00 | 9.07 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **75.00** | **9.07** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | 45.00 | 5.44 |
| Irrigation system at the farm | | | | 150.00 | 18.14 |
| Tractors | | | | 225.00 | 27.21 |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **420.00** | **50.79** |
| **8. TOTAL COST** | | | | **7,550.30** | **912.97** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 1,275.00 | 11.20 | 14,280.00 | 1,726.72 |
| **11. NET VALUE OF SEED** | kg | 2,400.00 | 0.92 | 2,208.00 | 266.99 |

# Cost of Producing One Hectare in Colombia
## Region - Atlantic Coast

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 150,000.00 | 68.59 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **150,000.00** | **68.59** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | 94,000.00 | 42.98 |
| Seed | | | | 250,000.00 | 114.31 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other (Drainage) | | | | 15,000.00 | 6.86 |
| **Sub-total** | | | | **359,000.00** | **164.15** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | 222,300.00 | 101.65 |
| Hoeing (Ridging) | | | | 48,000.00 | 21.95 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 244,000.00 | 111.57 |
| Irrigation | | | | | |
| Insecticides | | | | 615,650.00 | 281.50 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,129,950.00** | **516.66** |
| **4. HARVESTING** | | | | | |
| Picking cost | kg | 2,500.00 | | 450,450.00 | 205.97 |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **450,450.00** | **205.97** |
| **Seed Cotton Costs** | | | | **2,089,400.00** | **955.36** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | kg | 2,500.00 | | 262,500.00 | 120.03 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **262,500.00** | **120.03** |
| **Variable Cash Costs** | | | | **2,351,900.00** | **1,075.39** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 52,203.00 | 23.87 |
| Interest on capital invested | | | | 100,000.00 | 45.72 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other (Association charges) | | | | 116,015.00 | 53.05 |
| Price Stabilization Fund | | | | 110,015.00 | 50.30 |
| Technical assistance | | | | 40,000.00 | 18.29 |
| **Sub-total** | | | | **418,233.00** | **191.23** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **2,770,133.00** | **1,266.62** |
| **9. VALUE OF SEED COTTON** | kg | 2,500.00 | 1,135.50 | 2,838,750.00 | 1,298.00 |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | 481,144.40 | 220.00 |

# Cost of Producing One Hectare in Egypt
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 2,965.00 | 2,965.00 | 741.25 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | 20.00 | 5.00 |
| Ploughing | | | | 20.00 | 5.00 |
| Planking | | | | 20.00 | 5.00 |
| Other | | | | | |
| **Sub-total** | | | | **3,025.00** | **756.25** |
| **2. SOWING** | | | | | |
| Soaking irrigation | mandays | 4.00 | 5.00 | 20.00 | 5.00 |
| Land preparation | | | | | |
| Seed | kg | 75.00 | 2.00 | 150.00 | 37.50 |
| Seed treatment | mandays | 2.00 | 5.00 | 10.00 | 2.50 |
| Herbicides (Pre-sowing) | | | | 20.00 | 5.00 |
| Fertilizer (Basal dose) | | | | 150.00 | 37.50 |
| Drilling (Sowing) | mandays | 20.00 | 5.00 | 100.00 | 25.00 |
| Other | | | | | |
| **Sub-total** | | | | **450.00** | **112.50** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 16.00 | 5.00 | 80.00 | 20.00 |
| Weeding | mandays | 8.00 | 5.00 | 40.00 | 10.00 |
| Hoeing | mandays | 60.00 | 5.00 | 300.00 | 75.00 |
| Herbicides (Post-sowing) | | | | 20.00 | 5.00 |
| Fertilizer (Total) | | | | 700.00 | 175.00 |
| Irrigation | mandays | 40.00 | 5.00 | 200.00 | 50.00 |
| Insecticides | | | | 250.00 | 62.50 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,590.00** | **397.50** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 300.00 | 5.00 | 1,500.00 | 375.00 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 10.00 | 5.00 | 50.00 | 12.50 |
| Other | | | | | |
| **Sub-total** | | | | **1,550.00** | **387.50** |
| **Seed Cotton Costs** | | | | **6,615.00** | **1,653.75** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | 100.00 | 25.00 |
| Irrigation system at the farm | | | | | |
| Tractors | | | | 100.00 | 25.00 |
| Spray machinery | | | | 100.00 | 25.00 |
| Farm implements | | | | 100.00 | 25.00 |
| Other | | | | | |
| **Sub-total** | | | | **400.00** | **100.00** |
| **8. TOTAL COST** | | | | **7,015.00** | **1,753.75** |
| **9. VALUE OF SEED COTTON** | | | | 7,200.00 | 1,800.00 |
| **10. NET VALUE OF LINT** | kg | 926.00 | 6.80 | 6,296.80 | 1,574.20 |
| **11. NET VALUE OF SEED** | | | | 900.00 | 225.00 |

# Cost of Producing One Hectare in India
## Region - North, Irrigated

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 3,500.00 | 3,500.00 | 76.09 |
| Land revenue/tax | Included in the land rent. | | | | |
| Pre-soaking irrigation | mandays | 2.00 | 90.00 | 180.00 | 3.91 |
| Ploughing | machine hours | 8.00 | 250.00 | 2,000.00 | 43.48 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **5,680.00** | **123.48** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 8.00 | 60.00 | 480.00 | 10.43 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | kg | 150.00 | 10.00 | 1,500.00 | 32.61 |
| Drilling | mandays | 5.00 | 90.00 | 450.00 | 9.78 |
| Other | | | | | |
| **Sub-total** | | | | **2,430.00** | **52.83** |
| **3. GROWING** | | | | | |
| Thinning | Included in the weeding cost. | | | | |
| Weeding | mandays | 25.00 | 90.00 | 2,250.00 | 48.91 |
| Hoeing | mandays | 8.00 | 100.00 | 800.00 | 17.39 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 75.00 | 10.00 | 750.00 | 16.30 |
| Irrigation | number | 6.00 | 100.00 | 600.00 | 13.04 |
| Insecticides and application | number | 8.00 | 500.00 | 4,000.00 | 86.96 |
| Plant harmones | ml | 120.00 | 3.00 | 360.00 | 7.83 |
| Other | | | | | |
| **Sub-total** | | | | **8,760.00** | **190.43** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 100.00 | 90.00 | 9,000.00 | 195.65 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 5.00 | 90.00 | 450.00 | 9.78 |
| Other | | | | | |
| **Sub-total** | | | | **9,450.00** | **205.43** |
| **Seed Cotton Costs** | | | | **26,320.00** | **572.17** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | **26,320.00** | **572.17** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 2,000.00 | 43.48 |
| Interest on capital invested | | | | 1,579.00 | 34.33 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **3,579.00** | **77.80** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **29,899.00** | **649.98** |
| **9. VALUE OF SEED COTTON** | kg | 1,500.00 | 22.00 | 33,000.00 | 717.39 |
| **10. NET VALUE OF LINT** | kg | 510.00 | 60.00 | 30,600.00 | 665.22 |
| **11. NET VALUE OF SEED** | kg | 990.00 | 15.00 | 14,850.00 | 322.83 |

# Cost of Producing One Hectare in India
## Region - Central, Irrigated

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 2,500.00 | 2,500.00 | 54.35 |
| Land revenue/tax | Included in the land rent. | | | | |
| Pre-soaking irrigation | mandays | 2.00 | 60.00 | 120.00 | 2.61 |
| Ploughing | machine hours | 2.00 | 250.00 | 500.00 | 10.87 |
| Planking | | | | | |
| Other | mandays\|bullock hrs | 4.00\|4.00 | 60.00\|80.00 | 560.00 | 12.17 |
| **Sub-total** | | | | **3,680.00** | **80.00** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 8.00 | 100.00 | 800.00 | 17.39 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | kg | 110.00 | 10.00 | 1,100.00 | 23.91 |
| Drilling | mandays | 10.00 | 60.00 | 600.00 | 13.04 |
| Other | | | | | |
| **Sub-total** | | | | **2,500.00** | **54.35** |
| **3. GROWING** | | | | | |
| Thinning | Included in the weeding cost. | | | | |
| Weeding | mandays | 20.00 | 60.00 | 1,200.00 | 26.09 |
| Hoeing | mandays | 7.00 | 60.00 | 420.00 | 9.13 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 100.00 | 10.00 | 1,000.00 | 21.74 |
| Irrigation | number | 6.00 | 60.00 | 360.00 | 7.83 |
| Insecticides and application | number\|mandays | 6.00\|3.00 | 700.00\|60.00 | 4,380.00 | 95.22 |
| Plant harmones | ml | 120.00 | 3.00 | 360.00 | 7.83 |
| Other | machine hours | 25.00 | 10.00 | 250.00 | 5.43 |
| **Sub-total** | | | | **7,970.00** | **173.26** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 100.00 | 60.00 | 6,000.00 | 130.43 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 10.00 | 60.00 | 600.00 | 13.04 |
| Other | | | | | |
| **Sub-total** | | | | **6,600.00** | **143.48** |
| **Seed Cotton Costs** | | | | **20,750.00** | **451.09** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | **20,750.00** | **451.09** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 1,500.00 | 32.61 |
| Interest on capital invested | | | | 1,245.00 | 27.07 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,745.00** | **59.67** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **23,495.00** | **510.76** |
| **9. VALUE OF SEED COTTON** | kg | 1,500.00 | 22.00 | 33,000.00 | 717.39 |
| **10. NET VALUE OF LINT** | kg | 510.00 | 60.00 | 30,600.00 | 665.22 |
| **11. NET VALUE OF SEED** | kg | 990.00 | 15.00 | 14,850.00 | 322.83 |

# Cost of Producing One Hectare in India
## Region - Central, Rainfed

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 1,000.00 | 1,000.00 | 21.74 |
| Land revenue/tax | Included in the rent. | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | machine hours | 2.00 | 250.00 | 500.00 | 10.87 |
| Planking | | | | | |
| Other | mandays\|bullock hrs | 4.00\|4.00 | 60.00\|80.00 | 560.00 | 12.17 |
| **Sub-total** | | | | **2,060.00** | **44.78** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 20.00 | 50.00 | 1,000.00 | 21.74 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | kg | 100.00 | 10.00 | 1,000.00 | 21.74 |
| Drilling | machine hours | 3.00 | 250.00 | 750.00 | 16.30 |
| Other | | | | | |
| **Sub-total** | | | | **2,750.00** | **59.78** |
| **3. GROWING** | | | | | |
| Thinning | Included in weeding. | | | | |
| Weeding | mandays | 20.00 | 60.00 | 1,200.00 | 26.09 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides and application | number\|mandays | 4.00\|1.00 | 600.00\|60.00 | 2,460.00 | 53.48 |
| Defoliation | | | | | |
| Other | machine hours | 10.00 | 10.00 | 100.00 | 2.17 |
| **Sub-total** | | | | **3,760.00** | **81.74** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 60.00 | 60.00 | 3,600.00 | 78.26 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **3,600.00** | **78.26** |
| **Seed Cotton Costs** | | | | **12,170.00** | **264.57** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | **12,170.00** | **264.57** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 1,000.00 | 21.74 |
| Interest on capital invested | | | | 730.00 | 15.87 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,730.00** | **37.61** |
| **7. FIXED COSTS** | | | | | |
| Power supply | Opportunity costs calculated on rental basis. | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **13,900.00** | **302.17** |
| **9. VALUE OF SEED COTTON** | kg | 800.00 | 22.00 | 17,600.00 | 382.61 |
| **10. NET VALUE OF LINT** | kg | 272.00 | 60.00 | 16,320.00 | 354.78 |
| **11. NET VALUE OF SEED** | kg | 528.00 | 15.00 | 7,920.00 | 172.17 |

# Cost of Producing One Hectare in India
## Region - South, Irrigated (G. hirsutum)

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 2,500.00 | 2,500.00 | 54.35 |
| Land revenue/tax | Included in the rent. | | | | |
| Pre-soaking irrigation | mandays | 2.00 | 70.00 | 140.00 | 3.04 |
| Ploughing | machine hours | 2.00 | 250.00 | 500.00 | 10.87 |
| Planking | | | | | |
| Other | mandays\|bullock hrs | 3.00\|3.00 | 100.00\|100.00 | 600.00 | 13.04 |
| **Sub-total** | | | | **3,740.00** | **81.30** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 8.00 | 50.00 | 400.00 | 8.70 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | kg | 170.00 | 10.00 | 1,700.00 | 36.96 |
| Drilling | mandays | 10.00 | 70.00 | 700.00 | 15.22 |
| Other | | | | | |
| **Sub-total** | | | | **2,800.00** | **60.87** |
| **3. GROWING** | | | | | |
| Thinning | Included in weeding. | | | | |
| Weeding | mandays | 30.00 | 70.00 | 2,100.00 | 45.65 |
| Hoeing | mandays | 12.00 | 70.00 | 840.00 | 18.26 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 45.00 | 10.00 | 450.00 | 9.78 |
| Irrigation | number | 10.00 | 70.00 | 700.00 | 15.22 |
| Insecticides | number\|mandays | 6.00\|5.00 | 750.00\|70.00 | 4,850.00 | 105.43 |
| Defoliation | | | | | |
| Other | machine hours | 150.00 | 10.00 | 1,500.00 | 32.61 |
| **Sub-total** | | | | **10,440.00** | **226.96** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 110.00 | 70.00 | 7,700.00 | 167.39 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 8.00 | 70.00 | 560.00 | 12.17 |
| Other | | | | | |
| **Sub-total** | | | | **8,260.00** | **179.57** |
| **Seed Cotton Costs** | | | | **25,240.00** | **548.70** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | **25,240.00** | **548.70** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 1,500.00 | 32.61 |
| Interest on capital invested | | | | 1,514.00 | 32.91 |
| All repairs | | | | 0.00 | 0.00 |
| General farm overheads | | | | 0.00 | 0.00 |
| Other | | | | 0.00 | 0.00 |
| **Sub-total** | | | | **3,014.00** | **65.52** |
| **7. FIXED COSTS** | | | | | |
| Power supply | Opportunity costs calculated on rental basis. | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **28,254.00** | **614.22** |
| **9. VALUE OF SEED COTTON** | kg | 1,700.00 | 25.00 | 42,500.00 | 923.91 |
| **10. NET VALUE OF LINT** | kg | 578.00 | 70.00 | 40,460.00 | 879.57 |
| **11. NET VALUE OF SEED** | kg | 1,122.00 | 15.00 | 16,830.00 | 365.87 |

# Cost of Producing One Hectare in India
## Region - South, Irrigated Interspecific Hybrids

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 2,500.00 | 2,500.00 | 54.35 |
| Land revenue/tax | Included in land rent. | | | | |
| Pre-soaking irrigation | mandays | 2.00 | 70.00 | 140.00 | 3.04 |
| Ploughing | machine hours | 2.00 | 250.00 | 500.00 | 10.87 |
| Planking | | | | | |
| Other | manday\|bullock hrs | 4.00\|4.00 | 100.00\|100.00 | 800.00 | 17.39 |
| **Sub-total** | | | | **3,940.00** | **85.65** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 3.00 | 500.00 | 1,500.00 | 32.61 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | kg | 150.00 | 10.00 | 1,500.00 | 32.61 |
| Drilling | mandays | 8.00 | 70.00 | 560.00 | 12.17 |
| Other | | | | | |
| **Sub-total** | | | | **3,560.00** | **77.39** |
| **3. GROWING** | | | | | |
| Thinning | Included in weeding. | | | | |
| Weeding | mandays | 30.00 | 70.00 | 2,100.00 | 45.65 |
| Hoeing | mandays | 15.00 | 70.00 | 1,050.00 | 22.83 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 210.00 | 10.00 | 2,100.00 | 45.65 |
| Irrigation | number | 15.00 | 70.00 | 1,050.00 | 22.83 |
| Insecticides and application | number\|mandays | 8.00\|6.00 | 750.00\|70.00 | 6,420.00 | 139.57 |
| Defoliation | | | | | |
| Other | machine hours | 200.00 | 10.00 | 2,000.00 | 43.48 |
| **Sub-total** | | | | **14,720.00** | **320.00** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 92.00 | 70.00 | 6,440.00 | 140.00 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 10.00 | 70.00 | 700.00 | 15.22 |
| Other | | | | | |
| **Sub-total** | | | | **7,140.00** | **155.22** |
| **Seed Cotton Costs** | | | | **29,360.00** | **638.26** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | **29,360.00** | **638.26** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 2,500.00 | 54.35 |
| Interest on capital invested | | | | 1,762.00 | 38.30 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **4,262.00** | **92.65** |
| **7. FIXED COSTS** | | | | | |
| Power supply | Opportunity costs estimated on rental basis. | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **33,622.00** | **730.91** |
| **9. VALUE OF SEED COTTON** | kg | 1,300.00 | 35.00 | 45,500.00 | 989.13 |
| **10. NET VALUE OF LINT** | kg | 403.00 | 110.00 | 44,330.00 | 963.70 |
| **11. NET VALUE OF SEED** | kg | 897.00 | 15.00 | 13,455.00 | 292.50 |

# Cost of Producing One Hectare in India

## Region - South, Rainfed hirsutum, arboreum and herbaceum

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 1,000.00 | 1,000.00 | 21.74 |
| Land revenue/tax | Included in land rent. | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | machine hours | 2.00 | 250.00 | 500.00 | 10.87 |
| Planking | | | | | |
| Other | manday\|bullock hrs | 4.00\|4.00 | 100.00\|100.00 | 800.00 | 17.39 |
| **Sub-total** | | | | **2,300.00** | **50.00** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 20.00 | 50.00 | 1,000.00 | 21.74 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | kg | 110.00 | 10.00 | 1,100.00 | 23.91 |
| Drilling | mandays | 10.00 | 70.00 | 700.00 | 15.22 |
| Other | | | | | |
| **Sub-total** | | | | **2,800.00** | **60.87** |
| **3. GROWING** | | | | | |
| Thinning | Included in weeding. | | | | |
| Weeding | mandays | 20.00 | 70.00 | 1,400.00 | 30.43 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides and application | number\|mandays | 3.00\|1.00 | 750.00\|70.00 | 2,320.00 | 50.43 |
| Defoliation | | | | | |
| Other | machine hours | 10.00 | 10.00 | 100.00 | 2.17 |
| **Sub-total** | | | | **3,820.00** | **83.04** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 55.00 | 70.00 | 3,850.00 | 83.70 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **3,850.00** | **83.70** |
| **Seed Cotton Costs** | | | | **12,770.00** | **277.61** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | **12,770.00** | **277.61** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 1,000.00 | 21.74 |
| Interest on capital invested | | | | 683.00 | 14.85 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,683.00** | **36.59** |
| **7. FIXED COSTS** | | | | | |
| Power supply | Opportunity costs estimated on rental basis. | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **14,453.00** | **314.20** |
| **9. VALUE OF SEED COTTON** | kg | 800.00 | 22.00 | 17,600.00 | 382.61 |
| **10. NET VALUE OF LINT** | kg | 272.00 | 60.00 | 16,320.00 | 354.78 |
| **11. NET VALUE OF SEED** | kg | 528.00 | 15.00 | 7,920.00 | 172.17 |

# Cost of Producing One Hectare in Iran
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 1,600,000.00 | 1,600,000.00 | 202.53 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | number | 1.00 | 175,000.00 | 175,000.00 | 22.15 |
| Ploughing | number | 2.00 | 75,000.00 | 150,000.00 | 18.99 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,925,000.00** | **243.67** |
| **2. SOWING** | | | | | |
| Soaking irrigation | number | 1.00 | 175,000.00 | 175,000.00 | 22.15 |
| Land preparation | number | 4.00 | 50,000.00 | 200,000.00 | 25.32 |
| Seed | kg | 50.00 | 2,070.00 | 103,500.00 | 13.10 |
| Seed treatment | | | | 10,350.00 | 1.31 |
| Herbicides (Pre-sowing) | liter | 3.00 | 15,000.00 | 45,000.00 | 5.70 |
| Fertilizer (Basal dose) | kg | 200.00 | 595.00 | 119,000.00 | 15.06 |
| Drilling | ha | 1.00 | 60,000.00 | 60,000.00 | 7.59 |
| Other | | | | | |
| **Sub-total** | | | | **712,850.00** | **90.23** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 10.00 | 15,000.00 | 150,000.00 | 18.99 |
| Weeding | mandays | 25.00 | 15,000.00 | 375,000.00 | 47.47 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 100.00 | 425.00 | 42,500.00 | 5.38 |
| Irrigation | number | 3.00 | 175,000.00 | 525,000.00 | 66.46 |
| Insecticides and spraying | liter\|sprays | 4.00\|5.00 | 71000\|40000 | 484,000.00 | 61.27 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,576,500.00** | **199.56** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 1,930.00 | 400.00 | 772,000.00 | 97.72 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other (Transportation to store) | kg seedcotton | 1,930.00 | 20.00 | 38,600.00 | 4.89 |
| **Sub-total** | | | | **810,600.00** | **102.61** |
| **Seed Cotton Costs** | | | | **5,024,950.00** | **636.07** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg seedcotton | 1,930.00 | 50.00 | 96,500.00 | 12.22 |
| Ginning (Including bagging) | kg lint | 589.00 | 685.00 | 403,465.00 | 51.07 |
| Classing/grading charges | kg lint | 589.00 | 15.00 | 8,835.00 | 1.12 |
| Other | | | | | |
| **Sub-total** | | | | **508,800.00** | **64.41** |
| **Variable Cash Costs** | | | | **5,533,750.00** | **700.47** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | percent | | 15.00 | 830,062.00 | 105.07 |
| Interest on capital invested | percent | | 10.00 | 553,375.00 | 70.05 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,383,437.00** | **175.12** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **6,917,187.00** | **875.59** |
| **9. VALUE OF SEED COTTON** | kg | 1,930.00 | 3,200.00 | 6,176,000.00 | 781.77 |
| **10. NET VALUE OF LINT** | kg | 589.00 | 9,500.00 | 5,595,500.00 | 708.29 |
| **11. NET VALUE OF SEED** | kg | 1,060.00 | 1,000.00 | 1,060,000.00 | 134.18 |

# Cost of Producing One Hectare in Israel
## Region - Upland (Drip Irrigated)

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 390.00 | 92.86 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | cubic meter | 500.00 | 0.42 | 210.00 | 50.00 |
| Ploughing | | | | 101.00 | 24.05 |
| Planking | | | | 54.00 | 12.86 |
| Other (Winter cultivation and marking) | number | 3.00 | 8.00 | 54.00 | 12.86 |
| **Sub-total** | | | | **809.00** | **192.62** |
| **2. SOWING** | | | | | |
| Soaking irrigation | cubic meter | 300.00 | 0.42 | 126.00 | 30.00 |
| Land preparation | | | | 63.00 | 15.00 |
| Seed | kg | 14.00 | 25.00 | 350.00 | 83.33 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | 104.00 | 24.76 |
| Fertilizer (Basal dose) | kg | 100.00 | 1.80 | 180.00 | 42.86 |
| Drilling | | | | 38.00 | 9.05 |
| Other | | | | | |
| **Sub-total** | | | | **861.00** | **205.00** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | 154.00 | 36.67 |
| Hoeing | number | 2.00 | 169.00 | 338.00 | 80.48 |
| Herbicides (Post-sowing) | | | | 85.50 | 20.36 |
| Fertilizer (Total) | | | | 345.00 | 82.14 |
| Irrigation | cubic meter | 4,500.00 | 0.42 | 1,890.00 | 450.00 |
| Insecticides | applications | 5.00 | 190.00 | 950.00 | 226.19 |
| Defoliation | | | | 135.00 | 32.14 |
| Other | | | | | |
| **Sub-total** | | | | **3,897.50** | **927.98** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | hectare | 1.00 | 870.00 | 870.00 | 207.14 |
| Stick cutting/slashing | | | | 42.50 | 10.12 |
| Other | | | | | |
| **Sub-total** | | | | **912.50** | **217.26** |
| **Seed Cotton Costs** | | | | **6,480.00** | **1,542.86** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton seedcotton | 5.40 | 30.00 | 162.00 | 38.57 |
| Ginning (Including bagging) | ton seedcotton | 5.40 | 195.00 | 1,053.00 | 250.71 |
| Classing/grading charges | | | | 52.00 | 12.38 |
| Other | | | | | |
| **Sub-total** | | | | **1,267.00** | **301.67** |
| **Variable Cash Costs** | | | | **7,747.00** | **1,844.52** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 120.00 | 28.57 |
| Interest on capital invested | | | | 250.00 | 59.52 |
| All repairs | | | | 295.00 | 70.24 |
| General farm overheads | | | | 325.00 | 77.38 |
| Other (Unpaid labor) | | 8.00 | 280.00 | 2,240.00 | 533.33 |
| **Sub-total** | | | | **3,230.00** | **769.05** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | 1,250.00 | 297.62 |
| Tractors | | | | 1,050.00 | 250.00 |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,300.00** | **547.62** |
| **8. TOTAL COST** | | | | **13,277.00** | **3,161.19** |
| **9. VALUE OF SEED COTTON** | kg | 5,400.00 | 2.65 | 14,310.00 | 3,407.14 |
| **10. NET VALUE OF LINT** | kg | 1,836.00 | 6.47 | 11,878.92 | 2,828.31 |
| **11. NET VALUE OF SEED** | kg | 2,970.00 | 0.82 | 2,435.40 | 579.86 |

# Cost of Producing One Hectare in Israel
## Region - Pima (Drip Irrigated)

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 390.00 | 92.86 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | cubic meter | 500.00 | 0.42 | 210.00 | 50.00 |
| Ploughing | | | | 101.00 | 24.05 |
| Planking | | | | 54.00 | 12.86 |
| Other (Winter cultivation and marking) | number | 3.00 | 8.00 | 54.00 | 12.86 |
| **Sub-total** | | | | **809.00** | **192.62** |
| **2. SOWING** | | | | | |
| Soaking irrigation | cubic meter | 300.00 | 0.42 | 126.00 | 30.00 |
| Land preparation | | | | 63.00 | 15.00 |
| Seed | kg | 15.00 | 29.00 | 435.00 | 103.57 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | 104.00 | 24.76 |
| Fertilizer (Basal dose) | kg | 100.00 | 1.80 | 180.00 | 42.86 |
| Drilling | | | | 38.00 | 9.05 |
| Other | | | | | |
| **Sub-total** | | | | **946.00** | **225.24** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | 154.00 | 36.67 |
| Hoeing | number | 2.00 | 169.00 | 338.00 | 80.48 |
| Herbicides (Post-sowing) | | | | 85.50 | 20.36 |
| Fertilizer (Total) | | | | 345.00 | 82.14 |
| Irrigation | cubic meter | 4,800.00 | 0.42 | 2,016.00 | 480.00 |
| Insecticides | applications | 6.00 | 190.00 | 1,140.00 | 271.43 |
| Defoliation | | | | 135.00 | 32.14 |
| Other | | | | | |
| **Sub-total** | | | | **4,213.50** | **1,003.21** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | ha | 1.00 | 920.00 | 920.00 | 219.05 |
| Stick cutting/slashing | | | | 42.50 | 10.12 |
| Other | | | | | |
| **Sub-total** | | | | **962.50** | **229.17** |
| **Seed Cotton Costs** | | | | **6,931.00** | **1,650.24** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton seedcotton | 4.80 | 30.00 | 144.00 | 34.29 |
| Ginning (Including bagging) | ton seedcotton | 4.80 | 280.00 | 1,344.00 | 320.00 |
| Classing/grading charges | | | | 47.00 | 11.19 |
| Other | | | | | |
| **Sub-total** | | | | **1,535.00** | **365.48** |
| **Variable Cash Costs** | | | | **8,466.00** | **2,015.71** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 120.00 | 28.57 |
| Interest on capital invested | | | | 250.00 | 59.52 |
| All repairs | | | | 295.00 | 70.24 |
| General farm overheads | | | | 325.00 | 77.38 |
| Other (Unpaid labor) | | 8.00 | 280.00 | 2,240.00 | 533.33 |
| **Sub-total** | | | | **3,230.00** | **769.05** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | 1,250.00 | 297.62 |
| Tractors | | | | 1,050.00 | 250.00 |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,300.00** | **547.62** |
| **8. TOTAL COST** | | | | **13,996.00** | **3,332.38** |
| **9. VALUE OF SEED COTTON** | kg | 4,800.00 | 3.68 | 17,664.00 | 4,205.71 |
| **10. NET VALUE OF LINT** | kg | 1,632.00 | 9.70 | 15,830.40 | 3,769.14 |
| **11. NET VALUE OF SEED** | kg | 2,652.00 | 0.69 | 1,829.88 | 435.69 |

# Cost of Producing One Hectare in Kenya
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | ha | 1.00 | 3,750.00 | 3,750.00 | 46.88 |
| Other (Harrowing) | ha | 1.00 | 3,000.00 | 3,000.00 | 37.50 |
| **Sub-total** | | | | **6,750.00** | **84.38** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 20.00 | 15.00 | 300.00 | 3.75 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | mandays | 20.00 | 120.00 | 2,400.00 | 30.00 |
| Other | | | | 0.00 | |
| **Sub-total** | | | | **2,700.00** | **33.75** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 5.00 | 120.00 | 600.00 | 7.50 |
| Weeding | mandays | 53.00 | 120.00 | 6,360.00 | 79.50 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides and application | liter\|mandays | 2.00\|10.00 | 1500.00\|120.00 | 4,200.00 | 52.50 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **11,160.00** | **139.50** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **20,610.00** | **257.63** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg seedcotton | 500.00 | 3.00 | 1,500.00 | 18.75 |
| Ginning (Including bagging) | kg lint | 167.00 | 5.00 | 835.00 | 10.44 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,335.00** | **29.19** |
| **Variable Cash Costs** | | | | **22,945.00** | **286.81** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **22,945.00** | **286.81** |
| **9. VALUE OF SEED COTTON** | kg | 500.00 | 18.00 | 9,000.00 | 112.50 |
| **10. NET VALUE OF LINT** | kg | 167.00 | 80.00 | 13,360.00 | 167.00 |
| **11. NET VALUE OF SEED** | kg | 333.00 | 15.00 | 4,995.00 | 62.44 |

# Cost of Producing One Hectare in Mali
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing (Labor) | mandays | 13.00 | 750.00 | 9,750.00 | 13.25 |
| Planking | | | | | |
| Other (Prep. & trans. of organic manure) | mandays | 30.00 | 750.00 | 22,500.00 | 30.57 |
| **Sub-total** | | | | **32,250.00** | **43.82** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | | |
| Seed treatment | bag | 0.75 | 350.00 | 262.50 | 0.36 |
| Herbicides (Pre-sowing) | liter | 0.68 | 5,060.00 | 3,440.80 | 4.68 |
| Fertilizer (Basal dose) | kg | 125.00 | 210.00 | 26,250.00 | 35.67 |
| Drilling (Manual planting) | mandays | 4.00 | 750.00 | 3,000.00 | 4.08 |
| Other | | | | | |
| **Sub-total** | | | | **32,953.30** | **44.77** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 5.00 | 750.00 | 3,750.00 | 5.10 |
| Weeding | mandays | 1.00 | 750.00 | 750.00 | 1.02 |
| Hoeing and ridging | mandays | 16.00 | 750.00 | 12,000.00 | 16.30 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer and application | kg\|mandays | 51.0\|2.0 | 175.0\|750.0 | 10,425.00 | 14.16 |
| Irrigation | | | | | |
| Insecticides and application | liter\|mandays | 4.4\|3.0 | 3510.0\|750.0 | 17,694.00 | 24.04 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **44,619.00** | **60.62** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 46.00 | 750.00 | 34,500.00 | 46.88 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **34,500.00** | **46.88** |
| **Seed Cotton Costs** | | | | **144,322.30** | **196.09** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | 2,574.00 | 3.50 |
| Farm implements | | | | 16,791.00 | 22.81 |
| Other | | | | | |
| **Sub-total** | | | | **19,365.00** | **26.31** |
| **8. TOTAL COST** | | | | **163,687.30** | **222.40** |
| **9. VALUE OF SEED COTTON** | kg | 952.00 | 150.00 | 142,800.00 | 194.02 |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in Nigeria
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 5,000.00 | 43.48 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **5,000.00** | **43.48** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | mandays | 9.00 | 200.00 | 1,800.00 | 15.65 |
| Seed | kg | 20.00 | 9.00 | 180.00 | 1.57 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | 50 kg bag | 2.25 | 1,600.00 | 3,600.00 | 31.30 |
| Drilling | mandays | 24.00 | 200.00 | 4,800.00 | 41.74 |
| Other (Field cleaning and others) | | | | 4,800.00 | 41.74 |
| **Sub-total** | | | | **15,180.00** | **132.00** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 10.00 | 200.00 | 2,000.00 | 17.39 |
| Weeding | mandays | 15.00 | 200.00 | 3,000.00 | 26.09 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | liter | 5.00 | 1,200.00 | 6,000.00 | 52.17 |
| Fertilizer (Including application) | bags | 2.25 | 1,600.00 | 10,000.00 | 86.96 |
| Irrigation | | | | | |
| Insecticides | liter\|application | 5.0\| | 1200.0\|3600.0 | 4,800.00 | 41.74 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **25,800.00** | **224.35** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | mandays | 12.00 | 200.00 | 2,400.00 | 20.87 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,400.00** | **20.87** |
| **Seed Cotton Costs** | | | | **48,380.00** | **420.70** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 8,333.00 | 72.46 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **8,333.00** | **72.46** |
| **Variable Cash Costs** | | | | **56,713.00** | **493.16** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **56,713.00** | **493.16** |
| **9. VALUE OF SEED COTTON** | kg | 546.00 | | | |
| **10. NET VALUE OF LINT** | kg | 182.00 | | | |
| **11. NET VALUE OF SEED** | kg | 360.00 | 12.00 | 4,320.00 | 37.57 |

# Cost of Producing One Hectare in Pakistan

## Region - Punjab

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | month | 8.00 | 1,250.00 | 10,000.00 | 161.29 |
| Land revenue/tax | ha | 1.00 | 255.80 | 255.80 | 4.13 |
| Pre-soaking irrigation | ha mm | 76.20 | 8.20 | 624.84 | 10.08 |
| Ploughing and cultivation | ha | 1.00 | 1,312.00 | 1,312.00 | 21.16 |
| Planking | number | 3.00 | 50.00 | 150.00 | 2.42 |
| Other (Levelling) | | | | 250.00 | 4.03 |
| **Sub-total** | | | | **12,592.64** | **203.11** |
| **2. SOWING** | | | | | |
| Soaking irrigation | ha mm | 101.60 | 8.20 | 833.12 | 13.44 |
| Land preparation | | | | 700.00 | 11.29 |
| Seed | kg | 15.00 | 68.54 | 1,028.10 | 16.58 |
| Seed treatment | kg | 15.00 | 60.00 | 900.00 | 14.52 |
| Herbicides (Pre-sowing) | liter\|application | 2.5\|1 | 350.0\|625.0 | 1,500.00 | 24.19 |
| Fertilizer (Basal dose) | kg\|application | 125\|3 | 10.9\|141.6 | 1,787.50 | 28.83 |
| Drilling | ha | 1.00 | 375.00 | 375.00 | 6.05 |
| Other | | | | | |
| **Sub-total** | | | | **7,123.72** | **114.90** |
| **3. GROWING** | | | | | |
| Thinning | ha | 1.00 | 250.00 | 250.00 | 4.03 |
| Weeding | number | 2.00 | 650.00 | 1,300.00 | 20.97 |
| Hoeing | number | 4.00 | 375.00 | 1,500.00 | 24.19 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 375.00 | 7.00 | 2,625.00 | 42.34 |
| Irrigation | ha mm | 889.00 | 8.20 | 7,289.80 | 117.58 |
| Insecticides | No. of sprays | 7.00 | 1,054.00 | 7,378.00 | 119.00 |
| Defoliation | | | | | |
| Other (Unforeseen) | | | | 450.00 | 7.26 |
| **Sub-total** | | | | **20,792.80** | **335.37** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 2,200.00 | 1.50 | 3,300.00 | 53.23 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 7.50 | 80.00 | 600.00 | 9.68 |
| Other | | | | | |
| **Sub-total** | | | | **3,900.00** | **62.90** |
| **Seed Cotton Costs** | | | | **44,409.16** | **716.28** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg seedcotton | 2,200.00 | 0.25 | 550.00 | 8.87 |
| Ginning (Including bagging) | kg seedcotton | 2,200.00 | 1.60 | 3,520.00 | 56.77 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **4,070.00** | **65.65** |
| **Variable Cash Costs** | | | | **48,479.16** | **781.92** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | ha | 1.00 | 1,050.00 | 1,050.00 | 16.94 |
| Interest on capital invested | months | 8.00 | 20%/year | 6,061.20 | 97.76 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **7,111.20** | **114.70** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **55,590.36** | **896.62** |
| **9. VALUE OF SEED COTTON** | kg | 2,200.00 | 25.00 | 55,000.00 | 887.10 |
| **10. NET VALUE OF LINT** | kg | 728.75 | 61.62 | 44,905.58 | 724.28 |
| **11. NET VALUE OF SEED** | kg | 1,306.25 | 7.50 | 9,796.88 | 158.01 |

# Cost of Producing One Hectare in the Philippines
## Region - Luzon

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | ha | 1.00 | 200.00 | 200.00 | 3.96 |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **200.00** | **3.96** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation (Rented tractor) | ha | 1.00 | 2,000.00 | 2,000.00 | 39.60 |
| Seed | kg | 20.00 | 15.00 | 300.00 | 5.94 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | bags\|mandays | 4.00\|2.00 | 405.00\|150.00 | 1,920.00 | 38.02 |
| Drilling | man-animal days | 3.00 | 200.00 | 600.00 | 11.88 |
| Other (Replanting) | mandays | 12.00 | 150.00 | 1,800.00 | 35.64 |
| **Sub-total** | | | | **6,620.00** | **131.09** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 2.00 | 150.00 | 300.00 | 5.94 |
| Weeding | mandays | 10.00 | 150.00 | 1,500.00 | 29.70 |
| Hoeing (Interculturing) | man-animal days | 5.00 | 200.00 | 1,000.00 | 19.80 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | bags\|mandays | 3.00\|2.00 | 405.00\|150.00 | 1,515.00 | 30.00 |
| Irrigation | fuel\|mandays | 4.00\|12.00 | 450.00\|150.00 | 3,600.00 | 71.29 |
| Insecticides | sprays\|mandays | 8.00\|16.00 | 700.00\|150.00 | 8,000.00 | 158.42 |
| Defoliation | | | | | |
| Other | | | | 0.00 | 0.00 |
| **Sub-total** | | | | **15,915.00** | **315.15** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | ton seedcotton | 3.00 | 2,150.00 | 6,450.00 | 127.72 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | ha | 1.00 | 1,800.00 | 1,800.00 | 35.64 |
| Other (Sun drying & bagging of seedcotton | mandays | 5.50 | 150.00 | 825.00 | 16.34 |
| **Sub-total** | | | | **9,075.00** | **179.70** |
| **Seed Cotton Costs** | | | | **31,810.00** | **629.90** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton seedcotton | 3.00 | 500.00 | 1,500.00 | 29.70 |
| Ginning (Including bagging) | ton lint | 1.14 | 7,500.00 | 8,550.00 | 169.31 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **10,050.00** | **199.01** |
| **Variable Cash Costs** | | | | **41,860.00** | **828.91** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 961.20 | 19.03 |
| All repairs | | | | 366.00 | 7.25 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,327.20** | **26.28** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | 1,066.00 | 21.11 |
| Tractors | | | | | |
| Spray machinery | | | | 300.00 | 5.94 |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,366.00** | **27.05** |
| **8. TOTAL COST** | | | | **44,553.20** | **882.24** |
| **9. VALUE OF SEED COTTON** | kg | 3,000.00 | 20.00 | 60,000.00 | 1,188.12 |
| **10. NET VALUE OF LINT** | kg | 1,140.00 | 55.00 | 62,700.00 | 1,241.58 |
| **11. NET VALUE OF SEED** | kg | 1,860.00 | 1.50 | 2,790.00 | 55.25 |

# Cost of Producing One Hectare in South Africa
## Region - North West Province (Rainfed)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | ha | 1.00 | 160.00 | 160.00 | 20.00 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **160.00** | **20.00** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 10.00 | 7.60 | 76.00 | 9.50 |
| Seed treatment | kg | 0.10 | 5.39 | 55.00 | 6.88 |
| Herbicides (Pre-sowing) | liter\|application | 1.0\| | 45.0\|90.0 | 135.00 | 16.88 |
| Fertilizer (Basal dose) | kg | 50.00 | 1.83 | 91.50 | 11.44 |
| Drilling/planting | ha | 1.00 | 80.00 | 80.00 | 10.00 |
| Other (Insurance) | kg | 400.00 | 0.38 | 150.00 | 18.75 |
| **Sub-total** | | | | **587.50** | **73.44** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 1.00 | 20.00 | 20.00 | 2.50 |
| Weeding | mandays | 3.00 | 20.00 | 60.00 | 7.50 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 100.00 | 1.56 | 155.80 | 19.48 |
| Irrigation | | | | | |
| Insecticides (Three types) | liter | 3.0\|0.25\|0.375 | 37.5\|160.0\|180.0 | 220.00 | 27.50 |
| Defoliation | | | | | |
| Other (Diesel) | liter | 60.00 | 3.48 | 208.80 | 26.10 |
| **Sub-total** | | | | **664.60** | **83.08** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 906.00 | 0.50 | 453.00 | 56.63 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | ha | 1.00 | 68.00 | 68.00 | 8.50 |
| Other | | | | | |
| **Sub-total** | | | | **521.00** | **65.13** |
| **Seed Cotton Costs** | | | | **1,933.10** | **241.64** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other (Cotton SA levi & NAPCO contrib) | kg seedcotton | 906.00 | 0.06 | 54.36 | 6.80 |
| **Sub-total** | | | | **54.36** | **6.80** |
| **Variable Cash Costs** | | | | **1,987.46** | **248.43** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 60.00 | 7.50 |
| Interest on capital invested | | | | 73.00 | 9.13 |
| All repairs | | | | 40.00 | 5.00 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **173.00** | **21.63** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | 266.00 | 33.25 |
| Spray machinery | | | | 30.00 | 3.75 |
| Farm implements | | | | 110.00 | 13.75 |
| Other | | | | | |
| **Sub-total** | | | | **406.00** | **50.75** |
| **8. TOTAL COST** | | | | **2,566.46** | **320.81** |
| **9. VALUE OF SEED COTTON** | kg | 906.00 | 2.70 | 2,446.20 | 305.78 |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in South Africa
## Region - Northern Cape (Irrigated)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | mm | 75.00 | 0.40 | 30.00 | 3.75 |
| Ploughing | ha | 1.00 | 160.00 | 160.00 | 20.00 |
| Planking | ha | 1.00 | 35.00 | 35.00 | 4.38 |
| Other (Discing) | ha | 1.00 | 285.00 | 285.00 | 35.63 |
| **Sub-total** | | | | **510.00** | **63.75** |
| **2. SOWING** | | | | | |
| Soaking irrigation | mm | 50.00 | 0.40 | 20.00 | 2.50 |
| Land preparation | ha | 1.00 | 35.00 | 35.00 | 4.38 |
| Seed and technology fee | kg | 18.00 | 32.00 | 576.00 | 72.00 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | liter | 1.50 | 40.00 | 60.00 | 7.50 |
| Fertilizer (Basal dose) | kg | 300.00 | 1.90 | 570.00 | 71.25 |
| Drilling | | | | | |
| Other | | | | 195.00 | 24.38 |
| **Sub-total** | | | | **1,456.00** | **182.00** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 5.00 | 20.00 | 100.00 | 12.50 |
| Weeding | mandays | 15.00 | 20.00 | 300.00 | 37.50 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | liter | 1.00 | 75.00 | 75.00 | 9.38 |
| Fertilizer (Total) | kg | 500.00 | 1.55 | 775.00 | 96.88 |
| Irrigation | mm | 725.00 | 0.40 | 290.00 | 36.25 |
| Insecticides and aerial spraying | | | | 540.00 | 67.50 |
| Defoliation | liter | 0.70 | 324.28 | 227.00 | 28.37 |
| Other (Insurance) | kg | 3,000.00 | 0.53 | 1,590.00 | 198.75 |
| **Sub-total** | | | | **3,897.00** | **487.12** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | kg seedcotton | 3,500.00 | 0.39 | 1,372.00 | 171.50 |
| Stick cutting/slashing | ha | 1.00 | 68.00 | 68.00 | 8.50 |
| Other | | | | | |
| **Sub-total** | | | | **1,440.00** | **180.00** |
| **Seed Cotton Costs** | | | | **7,303.00** | **912.87** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other (Cotton SA levi & NAPCO contrib) | | | | 251.00 | 31.38 |
| **Sub-total** | | | | **251.00** | **31.38** |
| **Variable Cash Costs** | | | | **7,554.00** | **944.25** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 40.00 | 5.00 |
| Interest on capital invested | percent | 6,680.00 | 15.5% | 259.00 | 32.38 |
| All repairs | | | | 160.00 | 20.00 |
| General farm overheads | | | | 220.00 | 27.50 |
| Other | | | | | |
| **Sub-total** | | | | **679.00** | **84.88** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | 60.00 | 7.50 |
| Irrigation system at the farm | | | | 1,050.00 | 131.25 |
| Tractors | | | | 266.00 | 33.25 |
| Spray machinery | | | | 30.00 | 3.75 |
| Farm implements | | | | 110.00 | 13.75 |
| Other | | | | | |
| **Sub-total** | | | | **1,516.00** | **189.50** |
| **8. TOTAL COST** | | | | **9,749.00** | **1,218.62** |
| **9. VALUE OF SEED COTTON** | kg | 3,500.00 | 2.70 | 9,450.00 | 1,181.25 |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in South Africa
## Region - Mpumalanga - Marble Hall (Irrigated)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 200.00 | 25.00 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | 170.00 | 21.25 |
| Ploughing | | | | 105.00 | 13.13 |
| Planking | | | | 21.00 | 2.63 |
| Other | | | | 147.00 | 18.38 |
| **Sub-total** | | | | **643.00** | **80.38** |
| **2. SOWING** | | | | | |
| Soaking irrigation | mm | 50.00 | 0.85 | 42.50 | 5.31 |
| Land preparation | | | | 21.00 | 2.63 |
| Seed | kg | 25.00 | 7.60 | 190.00 | 23.75 |
| Seed treatment | | | | 135.00 | 16.88 |
| Herbicides (Pre-sowing) | | | | 520.00 | 65.00 |
| Fertilizer (Basal dose) | | | | 560.00 | 70.00 |
| Drilling | | | | | |
| Other (Electricity) | | | | 37.00 | 4.63 |
| **Sub-total** | | | | **1,505.50** | **188.19** |
| **3. GROWING** | | | | | |
| Thinning | | | | 5.00 | 0.63 |
| Weeding | | | | 4.00 | 0.50 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | 86.00 | 10.75 |
| Fertilizer (Total) | | | | 350.00 | 43.75 |
| Irrigation | mm | 450.00 | 0.85 | 382.50 | 47.81 |
| Insecticides | | | | 1,043.00 | 130.38 |
| Defoliation | | | | 210.00 | 26.25 |
| Other (Electricity & hailstorm) | | | 331.0\|789.0 | 1,120.00 | 140.00 |
| **Sub-total** | | | | **3,200.50** | **400.06** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 3,000.00 | 0.38 | 1,149.00 | 143.63 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **1,149.00** | **143.63** |
| **Seed Cotton Costs** | | | | **6,498.00** | **812.25** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | 250.00 | 31.25 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **250.00** | **31.25** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **6,748.00** | **843.50** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in South Africa
## Region - Northern Province - Spring Bok Flats (Skip row, Rainfed)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 180.00 | 22.50 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 115.00 | 14.38 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **295.00** | **36.88** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | 40.00 | 5.00 |
| Seed | kg | 8.00 | 8.80 | 70.40 | 8.80 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | 70.00 | 8.75 |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other (Electricity) | | | | | |
| **Sub-total** | | | | **180.40** | **22.55** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | 34.00 | 4.25 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides | | | | 195.00 | 24.38 |
| Defoliation | | | | 105.00 | 13.13 |
| Other (Hailstorm insurance) | | | | 164.00 | 20.50 |
| **Sub-total** | | | | **498.00** | **62.25** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 800.00 | 0.40 | 320.00 | 40.00 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **320.00** | **40.00** |
| **Seed Cotton Costs** | | | | **1,293.40** | **161.68** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | 250.00 | 31.25 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **250.00** | **31.25** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,543.40** | **192.93** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in South Africa

## Region - Northern Cape Province - Lower Orange River Region (Irrigated)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | ha | 1.00 | 18.30 | 18.30 | 2.36 |
| Pre-soaking irrigation | ha | 1.00 | 24.00 | 24.00 | 3.10 |
| Ploughing | ha | 1.00 | 189.57 | 189.57 | 24.46 |
| Planking | ha | 1.00 | 27.43 | 27.43 | 3.54 |
| Other | | | | | |
| **Sub-total** | | | | **259.30** | **33.46** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | 24.00 | 3.10 |
| Land preparation | ha | 1.00 | 56.01 | 56.01 | 7.23 |
| Seed | kg | 30.00 | 6.20 | 186.00 | 24.00 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | liter | 1.00 | 38.40 | 38.40 | 4.95 |
| Fertilizer (Basal dose) | kg | 450.00 | 1.97 | 886.50 | 114.39 |
| Drilling | ha | 1.00 | 30.71 | 30.71 | 3.96 |
| Other | | | | | |
| **Sub-total** | | | | **1,221.62** | **157.63** |
| **3. GROWING** | | | | | |
| Thinning | ha | 1.00 | 200.00 | 200.00 | 25.81 |
| Weeding | ha | 1.00 | 100.00 | 100.00 | 12.90 |
| Hoeing | ha | 1.00 | 28.18 | 28.18 | 3.64 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | kg | 100.00 | 1.67 | 167.00 | 21.55 |
| Irrigation | | | | 192.00 | 24.77 |
| Insecticides | liter | 6.00 | 72.88 | 437.28 | 56.42 |
| Defoliation | liter | 10.00 | 20.94 | 209.40 | 27.02 |
| Other | | | | | |
| **Sub-total** | | | | **1,333.86** | **172.11** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 3,000.00 | 0.45 | 1,350.00 | 174.19 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | ha | 1.00 | 14.47 | 14.47 | 1.87 |
| Other | | | | | |
| **Sub-total** | | | | **1,364.47** | **176.06** |
| **Seed Cotton Costs** | | | | **4,179.25** | **539.26** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other (Cotton SA levi & NAPCO contrib) | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 101.45 | 13.09 |
| Interest on capital invested | | | | | |
| All repairs | | | | 207.65 | 26.79 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **309.10** | **39.88** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | 1,200.00 | 154.84 |
| Tractors | | | | 107.72 | 13.90 |
| Spray machinery | | | | 32.76 | 4.23 |
| Farm implements | | | | 63.92 | 8.25 |
| Other | | | | | |
| **Sub-total** | | | | **1,404.40** | **181.21** |
| **8. TOTAL COST** | | | | **5,892.75** | **760.35** |
| **9. VALUE OF SEED COTTON** | kg | 3,000.00 | 2.81 | 8,430.00 | 1,087.74 |
| **10. NET VALUE OF LINT** | kg | 1,140.00 | 9.73 | 11,092.20 | 1,431.25 |
| **11. NET VALUE OF SEED** | kg | 1,860.00 | 0.98 | 1,822.80 | 235.20 |

# Cost of Producing One Hectare in South Africa

## Region - Northern Province/Mpumalanga (Rainfed, Delta Opal, Nuctn 35 & 37B, Sicala)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 200.00 | 200.00 | 25.00 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing and discing | ha | 1.00 | 300.00 | 300.00 | 37.50 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **500.00** | **62.50** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | ha | 1.00 | 250.00 | 250.00 | 31.25 |
| Seed | kg | 7.00 | 8.00 | 56.00 | 7.00 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | ha | 1.00 | 70.00 | 70.00 | 8.75 |
| Fertilizer (Basal dose) | ha | 1.00 | 85.00 | 85.00 | 10.63 |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **461.00** | **57.63** |
| **3. GROWING** | | | | | |
| Thinning | | | | 75.00 | 9.38 |
| Weeding | ha | 1.00 | 90.00 | 90.00 | 11.25 |
| Hoeing | ha | 1.00 | 75.00 | 75.00 | 9.38 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides | ha | 1.00 | 515.00 | 515.00 | 64.38 |
| Defoliation | | | | | |
| Other (Growth regulators) | ha | 1.00 | 25.00 | 25.00 | 3.13 |
| **Sub-total** | | | | **780.00** | **97.50** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 750.00 | 0.60 | 450.00 | 56.25 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | ha | 1.00 | 110.00 | 110.00 | 13.75 |
| Other | | | | | |
| **Sub-total** | | | | **560.00** | **70.00** |
| **Seed Cotton Costs** | | | | **2,301.00** | **287.63** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg seedcotton | 750.00 | 0.15 | 112.50 | 14.06 |
| Ginning (Including bagging) | kg seedcotton | 750.00 | 0.65 | 487.50 | 60.94 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **600.00** | **75.00** |
| **Variable Cash Costs** | | | | **2,901.00** | **362.63** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **2,901.00** | **362.63** |
| **9. VALUE OF SEED COTTON** | kg | 750.00 | 2.75 | 2,062.50 | 257.81 |
| **10. NET VALUE OF LINT** | kg | 278.00 | 9.00 | 2,502.00 | 312.75 |
| **11. NET VALUE OF SEED** | kg | 420.00 | 0.65 | 273.00 | 34.13 |

# Cost of Producing One Hectare in South Africa
## Region - Northern Province/Mpumalanga (Irrigated, Delta Opal, Nuctn 35 & 37B, Sicala)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 200.00 | 200.00 | 25.00 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | ha | 1.00 | 75.00 | 75.00 | 9.38 |
| Ploughing and discing | ha | 1.00 | 300.00 | 300.00 | 37.50 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **575.00** | **71.88** |
| **2. SOWING** | | | | | |
| Soaking irrigation | ha | 1.00 | 100.00 | 100.00 | 12.50 |
| Land preparation | ha | 1.00 | 250.00 | 250.00 | 31.25 |
| Seed | kg | 18.00 | 8.00 | 144.00 | 18.00 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | ha | 1.00 | 400.00 | 400.00 | 50.00 |
| Fertilizer (Basal dose) | ha | 1.00 | 85.00 | 85.00 | 10.63 |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **979.00** | **122.38** |
| **3. GROWING** | | | | | |
| Thinning | | | | 150.00 | 18.75 |
| Weeding | ha | 1.00 | 90.00 | 90.00 | 11.25 |
| Hoeing | ha | 1.00 | 150.00 | 150.00 | 18.75 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 1,530.00 | 191.25 |
| Irrigation | ha | 1.00 | 400.00 | 400.00 | 50.00 |
| Insecticides | | | | 775.00 | 96.88 |
| Defoliation | ha | 1.00 | 150.00 | 500.00 | 62.50 |
| Other (Growth regulators) | | | | 150.00 | 18.75 |
| **Sub-total** | | | | **3,745.00** | **468.13** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 3,700.00 | 0.60 | 2,220.00 | 277.50 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | ha | 1.00 | 110.00 | 110.00 | 13.75 |
| Other | | | | | |
| **Sub-total** | | | | **2,330.00** | **291.25** |
| **Seed Cotton Costs** | | | | **7,629.00** | **953.63** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg seedcotton | 3,700.00 | 0.15 | 555.00 | 69.38 |
| Ginning (Including bagging) | kg seedcotton | 3,700.00 | 0.65 | 2,405.00 | 300.63 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,960.00** | **370.00** |
| **Variable Cash Costs** | | | | **10,589.00** | **1,323.63** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **10,589.00** | **1,323.63** |
| **9. VALUE OF SEED COTTON** | kg | 3,700.00 | 2.75 | 10,175.00 | 1,271.88 |
| **10. NET VALUE OF LINT** | kg | 1,369.00 | 9.00 | 12,321.00 | 1,540.13 |
| **11. NET VALUE OF SEED** | kg | 2,072.00 | 0.65 | 1,346.80 | 168.35 |

# Cost of Producing One Hectare in Sudan
## Region - Gezira

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 5.70 | 0.02 |
| Land revenue/tax (Crop tax) | | | | 761.60 | 2.96 |
| Pre-soaking irrigation | | | | 590.00 | 2.30 |
| Ploughing | | | | 13,920.00 | 54.16 |
| Planking | | | | 1,920.00 | 7.47 |
| Other (Canal opening) | | | | 960.00 | 3.74 |
| **Sub-total** | | | | **18,157.30** | **70.65** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | 590.00 | 2.30 |
| Land preparation | | | | 1,200.00 | 4.67 |
| Seed | | | | 1,687.00 | 6.56 |
| Seed treatment | | | | 2,256.10 | 8.78 |
| Herbicides (Pre-sowing) | | | | 6,000.00 | 23.35 |
| Fertilizer (Basal dose) | | | | 10,745.00 | 41.81 |
| Drilling | | | | 2,040.00 | 7.94 |
| Other (Ridging, spraying, etc) | | | | 2,040.00 | 7.94 |
| **Sub-total** | | | | **26,558.10** | **103.34** |
| **3. GROWING** | | | | | |
| Thinning | | | | 2,040.00 | 7.94 |
| Weeding | | | | 960.00 | 3.74 |
| Hoeing | | | | 6,480.00 | 25.21 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | 7,100.00 | 27.63 |
| Insecticides | | | | 33,600.00 | 130.74 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **50,180.00** | **195.25** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg | 925.70 | 17.50 | 16,199.75 | 63.03 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | 2,600.00 | 10.12 |
| Other | | | | 1,080.00 | 4.20 |
| **Sub-total** | | | | **19,879.75** | **77.35** |
| **Seed Cotton Costs** | | | | **114,775.15** | **446.60** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | kg | 925.70 | 7.78 | 7,201.95 | 28.02 |
| Ginning (Including bagging) | kg | 925.70 | 28.31 | 26,206.57 | 101.97 |
| Classing/grading charges | | | | 192.00 | 0.75 |
| Other | | | | 7,917.00 | 30.81 |
| **Sub-total** | | | | **41,517.51** | **161.55** |
| **Variable Cash Costs** | | | | **156,292.66** | **608.14** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 4,560.00 | 17.74 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | 162.70 | 0.63 |
| **Sub-total** | | | | **4,722.70** | **18.38** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **161,015.36** | **626.52** |
| **9. VALUE OF SEED COTTON** | kg | 925.70 | | | |
| **10. NET VALUE OF LINT** | kg | 351.00 | 485.80 | 170,515.80 | 663.49 |
| **11. NET VALUE OF SEED** | kg | 575.00 | 70.90 | 40,767.50 | 158.63 |

# Cost of Producing One Hectare in Syria
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | ha | 1.00 | 15,650.00 | 15,650.00 | 313.00 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | number | 1.00 | 3,000.00 | 3,000.00 | 60.00 |
| Ploughing | number | 3.00 | 1,150.00 | 3,450.00 | 69.00 |
| Planking | number | 1.00 | 600.00 | 600.00 | 12.00 |
| Other | | | | | |
| **Sub-total** | | | | **22,700.00** | **454.00** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | number | 2.00 | 550.00 | 1,100.00 | 22.00 |
| Seed | kg | 100.00 | 10.00 | 1,000.00 | 20.00 |
| Seed treatment | | | | | |
| Herbicides (Pre) & application | liter | 2.50 | 400.00 | 1,000.00 | 20.00 |
| Fertilizer (Basal dose) & application | kg | 170.00 | 20.00 | 3,400.00 | 68.00 |
| Drilling | | | | 1,500.00 | 30.00 |
| Other | | | | | |
| **Sub-total** | | | | **8,000.00** | **160.00** |
| **3. GROWING** | | | | | |
| Thinning | manhour | 76.00 | 18.00 | 1,368.00 | 27.36 |
| Weeding | manhour | 320.00 | 18.00 | 5,760.00 | 115.20 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) & application | kg | 95.00 | 20.00 | 1,900.00 | 38.00 |
| Irrigation water & labor | number | 9.00 | 3,000.00 | 27,000.00 | 540.00 |
| Insecticides | | | | 250.00 | 5.00 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **36,278.00** | **725.56** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (100%) | ton seedcotton | 3.60 | 5,500.00 | 19,800.00 | 396.00 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other (Bags) | number | 25.00 | 75.00 | 1,875.00 | 37.50 |
| **Sub-total** | | | | **21,675.00** | **433.50** |
| **Seed Cotton Costs** | | | | **88,653.00** | **1,773.06** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton seedcotton | 3.60 | 1,250.00 | 4,500.00 | 90.00 |
| Ginning (Including bagging) | ton seedcotton | 3.60 | 2,500.00 | 9,000.00 | 180.00 |
| Classing/grading charges | | | | 500.00 | 10.00 |
| Other | | | | | |
| **Sub-total** | | | | **14,000.00** | **280.00** |
| **Variable Cash Costs** | | | | **102,653.00** | **2,053.06** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 3,000.00 | 60.00 |
| Interest on capital invested | | | | 1,500.00 | 30.00 |
| All repairs | | | | 5,000.00 | 100.00 |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **9,500.00** | **190.00** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **112,153.00** | **2,243.06** |
| **9. VALUE OF SEED COTTON** | kg | 3,600.00 | 29.00 | 104,400.00 | 2,088.00 |
| **10. NET VALUE OF LINT** | kg | 1,224.00 | 86.00 | 105,264.00 | 2,105.28 |
| **11. NET VALUE OF SEED** | kg | 2,232.00 | 7.50 | 16,740.00 | 334.80 |

# Cost of Producing One Hectare in Tanzania
## Region - Western Cotton Growing Area (Rainfed)

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 12,500.00 | 15.63 |
| Planking | | | | | |
| Other (Ridging) | | | | 12,500.00 | 15.63 |
| **Sub-total** | | | | **25,000.00** | **31.25** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 25.00 | 60.00 | 1,500.00 | 1.88 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other (Hand sowing) | | | | 5,000.00 | 6.25 |
| **Sub-total** | | | | **6,500.00** | **8.13** |
| **3. GROWING** | | | | | |
| Thinning | | | | 5,000.00 | 6.25 |
| Weeding | No.of weeding | 2.00 | 10,000.00 | 20,000.00 | 25.00 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer and application | bags | 2.50 | 12,000.00 | 35,000.00 | 43.75 |
| Irrigation | | | | | |
| Insecticides | liters\|spray no. | 5.0\|2.0 | 3500.0\|2500.0 | 22,500.00 | 28.13 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **82,500.00** | **103.13** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | ton seedcotton | 1,000.00 | 20.00 | 20,000.00 | 25.00 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | 5,000.00 | 6.25 |
| Other | | | | | |
| **Sub-total** | | | | **25,000.00** | **31.25** |
| **Seed Cotton Costs** | | | | **139,000.00** | **173.75** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Variable Cash Costs** | | | | | |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **139,000.00** | **173.75** |
| **9. VALUE OF SEED COTTON** | kg | 1,000.00 | 175.00 | 175,000.00 | 218.75 |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in Tanzania
## Region - Eastern Cotton Growing Area

| Operation/Item | Unit | Quantity per ha. | Cost or price per unit | Cost in local currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 25,000.00 | 31.25 |
| Planking | | | | | |
| Other (Cutting & burning of crop residue) | | | | 10,000.00 | 12.50 |
| **Sub-total** | | | | **35,000.00** | **43.75** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | kg | 25.00 | 60.00 | 1,500.00 | 1.88 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other (Hand sowing) | ha | 1.00 | 15,000.00 | 15,000.00 | 18.75 |
| **Sub-total** | | | | **16,500.00** | **20.63** |
| **3. GROWING** | | | | | |
| Thinning | ha | 1.00 | 10,000.00 | 10,000.00 | 12.50 |
| Weeding | ha | 1.00 | 52,500.00 | 52,500.00 | 65.63 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer and application | | | | | |
| Irrigation | | | | | |
| Insecticides | liter | 10.00 | 1,500.00 | 15,000.00 | 18.75 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **77,500.00** | **96.88** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | ha | 1.00 | 25,500.00 | 25,500.00 | 31.88 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **25,500.00** | **31.88** |
| **Seed Cotton Costs** | | | | **154,500.00** | **193.13** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | | |
| Classing/grading charges | | | | 17,500.00 | 21.88 |
| Other | | | | | |
| **Sub-total** | | | | **17,500.00** | **21.88** |
| **Variable Cash Costs** | | | | **172,000.00** | **215.00** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other (Cost for batteries) | | | | 3,750.00 | 4.69 |
| **Sub-total** | | | | **3,750.00** | **4.69** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | ULVA | 1.00 | 10,000.00 | 10,000.00 | 12.50 |
| Farm implements (Hand hoe) | quantity | 4.00 | 2,500.00 | 10,000.00 | 12.50 |
| Other | | | | | |
| **Sub-total** | | | | **20,000.00** | **25.00** |
| **8. TOTAL COST** | | | | **195,750.00** | **244.69** |
| **9. VALUE OF SEED COTTON** | kg | 1,200.00 | 180.00 | 216,000.00 | 270.00 |
| **10. NET VALUE OF LINT** | kg | 450.00 | | | |
| **11. NET VALUE OF SEED** | kg | 750.00 | | | |

# Cost of Producing One Hectare in Thailand
## Region - Central Zone

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 3,125.00 | 78.13 |
| Land revenue/tax | | | | 312.50 | 7.81 |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **3,437.50** | **85.94** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | 5,000.00 | 125.00 |
| Seed | kg | 9.38 | 30.00 | 281.40 | 7.04 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | liter | 6.25 | 120.00 | 750.00 | 18.75 |
| Fertilizer (Basal dose) | kg | 156.25 | 7.20 | 1,125.00 | 28.13 |
| Drilling | | | | 875.00 | 21.88 |
| Other | | | | | |
| **Sub-total** | | | | **8,031.40** | **200.79** |
| **3. GROWING** | | | | | |
| Thinning | | | | 375.00 | 9.38 |
| Weeding | | | | | |
| Hoeing | | | | 3,750.00 | 93.75 |
| Herbicides (Post-sowing) | | | | 268.75 | 6.72 |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides | liter | 18.75 | 273.00 | 5,118.75 | 127.97 |
| Defoliation | | | | | |
| Other | | | | 2,125.00 | 53.13 |
| **Sub-total** | | | | **11,637.50** | **290.94** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | 5,625.00 | 140.63 |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | 212.50 | 5.31 |
| **Sub-total** | | | | **5,837.50** | **145.94** |
| **Seed Cotton Costs** | | | | **28,943.90** | **723.60** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 350.00 | 8.75 |
| Ginning (Including bagging) | | | | 1,875.00 | 46.88 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,225.00** | **55.63** |
| **Variable Cash Costs** | | | | **31,168.90** | **779.22** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 625.00 | 15.63 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **625.00** | **15.63** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **31,793.90** | **794.85** |
| **9. VALUE OF SEED COTTON** | kg | 1,875.00 | 20.00 | 37,500.00 | 937.50 |
| **10. NET VALUE OF LINT** | kg | 625.00 | 55.00 | 34,375.00 | 859.38 |
| **11. NET VALUE OF SEED** | kg | 1,250.00 | 3.00 | 3,750.00 | 93.75 |

# Cost of Producing One Hectare in Turkey
## Region - Aegean

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 136,500,000.00 | 208.94 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 56,000,000.00 | 85.72 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **192,500,000.00** | **294.65** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | 25,600,000.00 | 39.18 |
| Seed | | | | 12,811,250.00 | 19.61 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | 21,600,000.00 | 33.06 |
| Other | | | | | |
| **Sub-total** | | | | **60,011,250.00** | **91.86** |
| **3. GROWING** | | | | | |
| Thinning | | | | 22,275,000.00 | 34.10 |
| Weeding | | | | | |
| Hoeing (By machine) | | | | 56,250,000.00 | 86.10 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 47,782,500.00 | 73.14 |
| Irrigation (Includes labor and preparations) | | | | 45,742,000.00 | 70.02 |
| Insecticides (Including herbicides) | | | | 72,500,000.00 | 110.97 |
| Defoliation | | | | | |
| Other | | | | 15,000,000.00 | 22.96 |
| **Sub-total** | | | | **259,549,500.00** | **397.28** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 3,250.00 | 50,000.00 | 162,500,000.00 | 248.73 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **162,500,000.00** | **248.73** |
| **Seed Cotton Costs** | | | | **674,560,750.00** | **1,032.52** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 6,804,000.00 | 10.41 |
| Ginning (Including bagging) | kg seedcotton | 3,250.00 | 50,000.00 | 162,500,000.00 | 248.73 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **169,304,000.00** | **259.15** |
| **Variable Cash Costs** | | | | **843,864,750.00** | **1,291.67** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 26,373,380.00 | 40.37 |
| Interest on capital invested | percent | 33.3% | | 175,822,500.00 | 269.12 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **202,195,880.00** | **309.49** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,046,060,630.00** | **1,601.16** |
| **9. VALUE OF SEED COTTON** | kg | 3,250.00 | 400,000.00 | 1,300,000,000.00 | 1,989.86 |
| **10. NET VALUE OF LINT** | kg | 1,268.00 | 887,143.00 | 1,124,897,324.00 | 1,721.84 |
| **11. NET VALUE OF SEED** | kg | 1,982.00 | 90,000.00 | 178,380,000.00 | 273.04 |

# Cost of Producing One Hectare in Turkey
## Region - Çukurova

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 150,000,000.00 | 229.60 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | 79,500,000.00 | 121.69 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **229,500,000.00** | **351.29** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | 31,500,000.00 | 48.22 |
| Seed | | | | 15,000,000.00 | 22.96 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | 22,500,000.00 | 34.44 |
| Other | | | | | |
| **Sub-total** | | | | **69,000,000.00** | **105.62** |
| **3. GROWING** | | | | | |
| Thinning (Including a part of hoeing) | | | | 30,000,000.00 | 45.92 |
| Weeding | | | | | |
| Hoeing (By machine) | | | | 60,000,000.00 | 91.84 |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total including labor) | | | | 61,000,000.00 | 93.37 |
| Irrigation | | | | 56,500,000.00 | 86.48 |
| Insecticides (Including herbicides) | | | | 48,500,000.00 | 74.24 |
| Defoliation | | | | | |
| Other | | | | 20,000,000.00 | 30.61 |
| **Sub-total** | | | | **276,000,000.00** | **422.46** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 3,100.00 | 61,888.00 | 191,852,800.00 | 293.66 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **191,852,800.00** | **293.66** |
| **Seed Cotton Costs** | | | | **766,352,800.00** | **1,173.03** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 9,500,000.00 | 14.54 |
| Ginning (Including bagging) | kg seedcotton | 3,100.00 | 50,000.00 | 155,000,000.00 | 237.25 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **164,500,000.00** | **251.79** |
| **Variable Cash Costs** | | | | **930,852,800.00** | **1,424.82** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 23,275,500.00 | 35.63 |
| Interest on capital invested | | | | 155,170,000.00 | 237.51 |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **178,445,500.00** | **273.14** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,109,298,300.00** | **1,697.96** |
| **9. VALUE OF SEED COTTON** | kg | 3,100.00 | 320,000.00 | 992,000,000.00 | 1,518.41 |
| **10. NET VALUE OF LINT** | kg | 1,209.00 | 764,750.00 | 924,582,750.00 | 1,415.22 |
| **11. NET VALUE OF SEED** | kg | 1,891.00 | 90,000.00 | 170,190,000.00 | 260.50 |

# Cost of Producing One Hectare in Uganda
## Region - National Average (BPA)

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent (Occassional in Western) | ha | 1.00 | 22,500.00 | 22,500.00 | 12.71 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing (1st ploughing) | ha | 1.00 | 78,000.00 | 78,000.00 | 44.07 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **100,500.00** | **56.78** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation (2nd ploughing) | ha | 1.00 | 60,000.00 | 60,000.00 | 33.90 |
| Seed (Already treated) | kg | 25.00 | 400.00 | 10,000.00 | 5.65 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling (Mainly done by family labor) | ha | 1.00 | 20,000.00 | 20,000.00 | 11.30 |
| Other | | | | | |
| **Sub-total** | | | | **90,000.00** | **50.85** |
| **3. GROWING** | | | | | |
| Thinning (Family labor) | | | | | |
| Weeding | number | 3.00 | 20,000.00 | 60,000.00 | 33.90 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | | |
| Irrigation | | | | | |
| Insecticides\|rent for spray pump | sprays\|rent | 2.00\|2.00 | 21000.0\|1000.0 | 44,000.00 | 24.86 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **104,000.00** | **58.76** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (By family labor) | kg seedcotton | 1,100.00 | 20.00 | 22,000.00 | 12.43 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **22,000.00** | **12.43** |
| **Seed Cotton Costs** | | | | **316,500.00** | **178.81** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | 16,800.00 | 9.49 |
| Ginning (Including bagging) | | | | 16,300.00 | 9.21 |
| Classing/grading charges | | | | 100.00 | 0.06 |
| Other (Agent fee, pesticide & seed levy, cess, electricity, field operations) | | | | 60,036.00 | 33.92 |
| **Sub-total** | | | | **93,236.00** | **52.68** |
| **Variable Cash Costs** | | | | **409,736.00** | **231.49** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | 24,700.00 | 13.95 |
| Interest on capital invested | | | | 31,000.00 | 17.51 |
| All repairs | | | | 8,000.00 | 4.52 |
| General farm overheads | | | | 8,000.00 | 4.52 |
| Other | | | | | |
| **Sub-total** | | | | **71,700.00** | **40.51** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | 75,000.00 | 42.37 |
| Farm implements (Hoes, pangas) | | | | 3,500.00 | 1.98 |
| Other | | | | | |
| **Sub-total** | | | | **78,500.00** | **44.35** |
| **8. TOTAL COST** | | | | **559,936.00** | **316.35** |
| **9. VALUE OF SEED COTTON** | kg | 1,100.00 | 400.00 | 440,000.00 | 248.59 |
| **10. NET VALUE OF LINT** | | | | | |
| **11. NET VALUE OF SEED** | | | | | |

# Cost of Producing One Hectare in the USA
## Region - National Average

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 128.10 | 128.10 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **128.10** | **128.10** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 45.34 | 45.34 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **45.34** | **45.34** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 73.91 | 73.91 |
| Irrigation (Purchased water) | | | | 15.12 | 15.12 |
| Insecticides | | | | 144.80 | 144.80 |
| Defoliation | | | | | |
| Other (Fuel, lube and electricity) | | | | 65.83 | 65.83 |
| Custom operations | | | | 48.60 | 48.60 |
| Hired labor & opportunity cost | | | | 160.00 | 160.00 |
| **Sub-total** | | | | **508.26** | **508.26** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **681.70** | **681.70** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 131.16 | 131.16 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **131.16** | **131.16** |
| **Variable Cash Costs** | | | | **812.86** | **812.86** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 13.86 | 13.86 |
| All repairs | | | | 64.94 | 64.94 |
| General farm overheads | | | | 37.93 | 37.93 |
| Other (Capital recovery of machinery and equipment) | | | | 239.19 | 239.19 |
| Taxes and insurance | | | | 37.24 | 37.24 |
| **Sub-total** | | | | **393.16** | **393.16** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,206.02** | **1,206.02** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 655.00 | 1.04 | 681.20 | 681.20 |
| **11. NET VALUE OF SEED** | kg | 1,130.00 | 0.09 | 101.70 | 101.70 |

# Cost of Producing One Hectare in the USA
## Region - Heartland

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 140.13 | 140.13 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **140.13** | **140.13** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 23.80 | 23.80 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **23.80** | **23.80** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 73.76 | 73.76 |
| Irrigation (Purchased water) | | | | | |
| Insecticides | | | | 183.64 | 183.64 |
| Defoliation | | | | | |
| Other (Fuel, lube and electricity) | | | | 43.14 | 43.14 |
| Custom operations | | | | 20.24 | 20.24 |
| Hired labor & opportunity cost | | | | 108.06 | 108.06 |
| **Sub-total** | | | | **428.84** | **428.84** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **592.77** | **592.77** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 135.04 | 135.04 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **135.04** | **135.04** |
| **Variable Cash Costs** | | | | **727.81** | **727.81** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 13.24 | 13.24 |
| All repairs | | | | 83.35 | 83.35 |
| General farm overheads | | | | 15.89 | 15.89 |
| Other (Capital recovery of machinery and equipment) | | | | 309.84 | 309.84 |
| Taxes and insurance | | | | 17.37 | 17.37 |
| **Sub-total** | | | | **439.69** | **439.69** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,167.50** | **1,167.50** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 729.00 | 1.02 | 743.58 | 743.58 |
| **11. NET VALUE OF SEED** | kg | 1,124.00 | 0.11 | 123.64 | 123.64 |

# Cost of Producing One Hectare in the USA
## Region - Mississippi Portal

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 145.39 | 145.39 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **145.39** | **145.39** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 47.99 | 47.99 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **47.99** | **47.99** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 85.77 | 85.77 |
| Irrigation (Purchased water) | | | | | |
| Insecticides | | | | 212.58 | 212.58 |
| Defoliation | | | | | |
| Other (Fuel, lube and electricity) | | | | 50.38 | 50.38 |
| Custom operations | | | | 35.46 | 35.46 |
| Hired labor & opportunity cost | | | | 156.76 | 156.76 |
| **Sub-total** | | | | **540.95** | **540.95** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **734.33** | **734.33** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 133.11 | 133.11 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **133.11** | **133.11** |
| **Variable Cash Costs** | | | | **867.44** | **867.44** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 15.15 | 15.15 |
| All repairs | | | | 78.53 | 78.53 |
| General farm overheads | | | | 39.19 | 39.19 |
| Other (Capital recovery of machinery and equipment) | | | | 285.77 | 285.77 |
| Taxes and insurance | | | | 35.01 | 35.01 |
| **Sub-total** | | | | **453.65** | **453.65** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,321.10** | **1,321.10** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 759.00 | 1.02 | 774.18 | 774.18 |
| **11. NET VALUE OF SEED** | kg | 1,354.00 | 0.09 | 121.86 | 121.86 |

# Cost of Producing One Hectare in the USA
## Region - Fruitful Rim

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 341.10 | 341.10 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **341.10** | **341.10** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 57.28 | 57.28 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **57.28** | **57.28** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 70.97 | 70.97 |
| Irrigation (Purchased water) | | | | 113.72 | 113.72 |
| Insecticides | | | | 227.60 | 227.60 |
| Defoliation | | | | | |
| Other (Fuel, lube and electricity) | | | | 127.01 | 127.01 |
| Custom operations | | | | 183.77 | 183.77 |
| Hired labor & opportunity cost | | | | 229.53 | 229.53 |
| **Sub-total** | | | | **952.60** | **952.60** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **1,350.97** | **1,350.97** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 219.03 | 219.03 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **219.03** | **219.03** |
| **Variable Cash Costs** | | | | **1,570.00** | **1,570.00** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 25.55 | 25.55 |
| All repairs | | | | 62.15 | 62.15 |
| General farm overheads | | | | 83.42 | 83.42 |
| Other (Capital recovery of machinery and equipment) | | | | 242.18 | 242.18 |
| Taxes and insurance | | | | 39.88 | 39.88 |
| **Sub-total** | | | | **453.18** | **453.18** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **2,023.18** | **2,023.18** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 1,115.00 | 1.19 | 1,326.85 | 1,326.85 |
| **11. NET VALUE OF SEED** | kg | 1,593.00 | 0.13 | 210.75 | 210.75 |

# Cost of Producing One Hectare in the USA
## Region - Prairie Gateway

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 54.68 | 54.68 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **54.68** | **54.68** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 39.83 | 39.83 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **39.83** | **39.83** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 42.28 | 42.28 |
| Irrigation (Purchased water) | | | | | |
| Insecticides | | | | 63.97 | 63.97 |
| Defoliation | | | | | |
| Other (Fuel, lube and electricity) | | | | 62.44 | 62.44 |
| Custom operations | | | | 21.60 | 21.60 |
| Hired labor & opportunity cost | | | | 144.83 | 144.83 |
| **Sub-total** | | | | **335.12** | **335.12** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **429.63** | **429.63** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 102.82 | 102.82 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **102.82** | **102.82** |
| **Variable Cash Costs** | | | | **532.45** | **532.45** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 9.24 | 9.24 |
| All repairs | | | | 60.19 | 60.19 |
| General farm overheads | | | | 26.81 | 26.81 |
| Other (Capital recovery of machinery and equipment) | | | | 215.59 | 215.59 |
| Taxes and insurance | | | | 35.68 | 35.68 |
| **Sub-total** | | | | **347.52** | **347.52** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **879.97** | **879.97** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 450.00 | 0.95 | 427.50 | 427.50 |
| **11. NET VALUE OF SEED** | kg | 858.00 | 0.09 | 77.22 | 77.22 |

# Cost of Producing One Hectare in the USA
## Region - Southern Seaboard

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | 112.53 | 112.53 |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | | | | | |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **112.53** | **112.53** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed | | | | 46.01 | 46.01 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) | | | | | |
| Drilling | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **46.01** | **46.01** |
| **3. GROWING** | | | | | |
| Thinning | | | | | |
| Weeding | | | | | |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total) | | | | 108.23 | 108.23 |
| Irrigation (Purchased water) | | | | | |
| Insecticides | | | | 171.19 | 171.19 |
| Defoliation | | | | | |
| Other (Fuel, lube and electricity) | | | | 54.21 | 54.21 |
| Custom operations | | | | 32.69 | 32.69 |
| Hired labor & opportunity cost | | | | 158.56 | 158.56 |
| **Sub-total** | | | | **524.89** | **524.89** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | | | | | |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **Seed Cotton Costs** | | | | **683.43** | **683.43** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | | | | | |
| Ginning (Including bagging) | | | | 128.64 | 128.64 |
| Classing/grading charges | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **128.64** | **128.64** |
| **Variable Cash Costs** | | | | **812.07** | **812.07** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | 14.11 | 14.11 |
| All repairs | | | | 59.33 | 59.33 |
| General farm overheads | | | | 31.73 | 31.73 |
| Other (Capital recovery of machinery and equipment) | | | | 225.13 | 225.13 |
| Taxes and insurance | | | | 43.91 | 43.91 |
| **Sub-total** | | | | **374.21** | **374.21** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **1,186.28** | **1,186.28** |
| **9. VALUE OF SEED COTTON** | | | | | |
| **10. NET VALUE OF LINT** | kg | 636.00 | 1.06 | 674.16 | 674.16 |
| **11. NET VALUE OF SEED** | kg | 1,120.00 | 0.09 | 100.80 | 100.80 |

# Cost of Producing One Hectare in Zimbabwe
## Region - Communal Dryland

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | | | | | |
| Ploughing | 1.00 | 1.00 | 2,400.00 | 2,400.00 | 42.86 |
| Planking | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **2,400.00** | **42.86** |
| **2. SOWING** | | | | | |
| Soaking irrigation | | | | | |
| Land preparation | | | | | |
| Seed (Including fungicide) | kg | 20.00 | 33.00 | 660.00 | 11.79 |
| Seed treatment | | | | | |
| Herbicides (Pre-sowing) | | | | | |
| Fertilizer (Basal dose) compound | kg | 150.00 | 15.52 | 2,328.00 | 41.57 |
| Drilling | mandays | 3.00 | 50.00 | 150.00 | 2.68 |
| Other(Transport) | ton | 1.00 | 460.00 | 460.00 | 8.21 |
| **Sub-total** | | | | **3,598.00** | **64.25** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 3.00 | 50.00 | 150.00 | 2.68 |
| Weeding | mandays | 20.00 | 50.00 | 1,000.00 | 17.86 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | | | | | |
| Fertilizer (Total), Ammonium nitrate | kg | 100.00 | 14.09 | 1,409.00 | 25.16 |
| Irrigation | | | | | |
| Insecticides\|scouting and spraying | sprays\|mandays | 8.00\|15.00 | 223.00\|50.00 | 2,534.00 | 45.25 |
| Defoliation | | | | | |
| Other | | | | | |
| **Sub-total** | | | | **5,093.00** | **90.95** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg seedcotton | 1,000.00 | 1.55 | 1,550.00 | 27.68 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | mandays | 3.00 | 50.00 | 150.00 | 2.68 |
| Other (Packaging) | packs | 5.00 | 102.00 | 510.00 | 9.11 |
| **Sub-total** | | | | **2,210.00** | **39.46** |
| **Seed Cotton Costs** | | | | **13,301.00** | **237.52** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton/km (30) | 1.00 | 100.00 | 500.00 | 8.93 |
| Ginning (Including bagging) | kg seedcotton | 1,000.00 | 5.60 | 5,600.00 | 100.00 |
| Classing/grading charges | bale | 2.00 | 300.00 | 600.00 | 10.71 |
| Other | | | | | |
| **Sub-total** | | | | **6,700.00** | **119.64** |
| **Variable Cash Costs** | | | | **20,001.00** | **357.16** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **20,001.00** | **357.16** |
| **9. VALUE OF SEED COTTON** | kg | 1,000.00 | 22.00 | 22,000.00 | 392.86 |
| **10. NET VALUE OF LINT** | kg | 400.00 | 64.20 | 25,679.00 | 458.55 |
| **11. NET VALUE OF SEED** | kg | 590.00 | 6.00 | 3,540.00 | 63.21 |

# Cost of Producing One Hectare in Zimbabwe
## Region - Commercial Irrigated

| Operation/Item | Unit | Quantity per ha. | Cost or Price per unit | Cost in Local Currency | Cost in US$ |
|---|---|---|---|---|---|
| **1. PRE-SOWING** | | | | | |
| Land rent for cotton | | | | | |
| Land revenue/tax | | | | | |
| Pre-soaking irrigation | cubic meter | 500.00 | 2.21 | 1,105.00 | 19.73 |
| Ploughing | liter diesel | 30.00 | 76.00 | 2,280.00 | 40.71 |
| Planking | | | | | |
| Other(Discing-in herbicide) | liter diesel | 15.00 | 76.00 | 1,140.00 | 20.36 |
| **Sub-total** | | | | **4,525.00** | **80.80** |
| **2. SOWING** | | | | | |
| Soaking irrigation | cubic meter | 500.00 | 2.21 | 1,105.00 | 19.73 |
| Land preparation | liter diesel | 20.00 | 76.00 | 1,520.00 | 27.14 |
| Seed (Including fungicide & cruiser) | kg | 20.00 | 53.00 | 1,060.00 | 18.93 |
| Seed treatment | | | | | |
| Herbicides (Pre) Trifluralin\|Cotoran | liter | 16.00\|4.00 | 33.49\|38.00 | 2,055.84 | 36.71 |
| Fertilizer (Basal dose) compound | kg | 300.00 | 15.52 | 4,656.00 | 83.14 |
| Drilling | | | | | |
| Other | ton | | | | |
| **Sub-total** | | | | **10,396.84** | **185.66** |
| **3. GROWING** | | | | | |
| Thinning | mandays | 3.00 | 84.00 | 252.00 | 4.50 |
| Weeding | mandays | 20.00 | 84.00 | 1,680.00 | 30.00 |
| Hoeing | | | | | |
| Herbicides (Post-sowing) | liter | 2.00 | 430.00 | 860.00 | 15.36 |
| Fertilizer (Total), Ammonium nitrate | kg | 200.00 | 14.09 | 2,818.00 | 50.32 |
| Irrigation | cubic meter | 2,000.00 | 2.21 | 4,420.00 | 78.93 |
| Insecticides\|scouting & sparying | sprays\|mandays | 8.00\|15.00 | 223.00\|84.00 | 3,044.00 | 54.36 |
| Defoliation | | | | | |
| Other(Growth regulators) | liter | 1.50 | 333.00 | 499.50 | 8.92 |
| **Sub-total** | | | | **13,573.50** | **242.38** |
| **4. HARVESTING** | | | | | |
| Picking cost | | | | | |
| a.Hand picking (%) | kg | 3,000.00 | 1.55 | 4,650.00 | 83.04 |
| b.Machine picking (%) | | | | | |
| Stick cutting/slashing | liter | 20.00 | 76.00 | 1,520.00 | 27.14 |
| Other (Picking list) | packs | 15.00 | 102.00 | 1,530.00 | 27.32 |
| **Sub-total** | | | | **7,700.00** | **137.50** |
| **Seed Cotton Costs** | | | | **36,195.34** | **646.34** |
| **5. GINNING** | | | | | |
| Transportation to gin factory | ton/km (30) | 3.00 | 6.00 | 540.00 | 9.64 |
| Ginning (Including bagging) | kg seedcotton | 3,000.00 | 5.60 | 16,800.00 | 300.00 |
| Classing/grading charges | bale | 6.00 | 300.00 | 1,800.00 | 32.14 |
| Other | | | | | |
| **Sub-total** | | | | **19,140.00** | **341.79** |
| **Variable Cash Costs** | | | | **55,335.34** | **988.13** |
| **6. ECONOMIC COSTS** | | | | | |
| Management and administrative | Included in unit costs and general farm overheads. | | | | |
| Interest on capital invested | | | | | |
| All repairs | | | | | |
| General farm overheads | | | | 21,700.00 | 387.50 |
| Other | | | | | |
| **Sub-total** | | | | **21,700.00** | **387.50** |
| **7. FIXED COSTS** | | | | | |
| Power supply | | | | | |
| Irrigation system at the farm | | | | | |
| Tractors | | | | | |
| Spray machinery | | | | | |
| Farm implements | | | | | |
| Other | | | | | |
| **Sub-total** | | | | | |
| **8. TOTAL COST** | | | | **77,035.34** | **1,375.63** |
| **9. VALUE OF SEED COTTON** | kg | 3,000.00 | 22.00 | 66,000.00 | 1,178.57 |
| **10. NET VALUE OF LINT** | kg | 1,200.00 | 64.20 | 77,037.00 | 1,375.66 |
| **11. NET VALUE OF SEED** | kg | 1,770.00 | 6.00 | 10,620.00 | 189.64 |

# GLOSSARY

# Glossaire, Glosario

| Anglais, Inglés | Français | Español |
|---|---|---|
| 1. Pre-sowing | 1. Avant semis | 1. Presiembra |
| Land rent for cotton | Valeur locative du terrain | Alquiler de la tierra |
| Land revenue/tax | Revenu/impôt foncier du terrain | Impuesto sobre la tierra |
| Pre-soaking irrigation | Irrigation avant saturation | Irrigación prerremojo |
| Ploughing | Labour | Arado |
| Planking | Coffrage | Aplanamiento/emparejada |
| Other | Autre | Otros |
| 2. Sowing | 2. Semis | 2. Siembra |
| Soaking irrigation | Irrigation de saturation | Irrigación remojo |
| Land preparation | Préparation de la terre | Preparación de la tierra |
| Seed | Semence | Semilla |
| Seed treatment | Traitement des semences | Tratamiento de la semilla |
| Herbicides (pre-sowing) | Herbicides (avant semis) | Herbicidas (presiembra) |
| Fertilizer (basal dose) | Engrais (dose de base) | Fertilizantes (dosis basal) |
| Drilling | Semis en lignes | Siembra en surcos |
| 3. Growing | 3. Culture | 3. Crecimiento |
| Thinning | Eclaircissage | Raleo |
| Weeding | Désherbage | Desyebrado |
| Hoeing | Sarclage | Aporque o carpida |
| Herbicides (post-sowing) | Herbicides (après semis) | Herbicidas (postsiembra) |
| Fertilizer (total) | Engrais (total) | Fertilizantes (total) |
| Irrigation | Irrigation | Irrigación |
| Insecticides | Insecticides | Insecticidas |
| Defoliation | Défoliation | Defoliación |
| 4. Harvesting | 4. Récolte | 4. Recolección |
| Picking cost | Coût de la cueillette | Costo de la recolección |
| a.Hand picking (%) | a.Cueillette manuelle (%) | a. Manual (%) |
| b.Machine picking (%) | b.Cueillette mécanique (%) | b. Mecanizada (%) |
| Stick cutting/slashing | Coupe/trituration des tiges | Corte/trituración de tallos |
| 5. Ginning | 5. Egrenage | 5. Desmotado |
| Transportation to gin factory | Tranport à l'usine d'égrenage | Transporte a la desmotadora |
| Ginning (including bagging) | Egrenage (y compris mise en sacs) | Desmotado (incluyendo enfardado) |
| Classing/grading charges | Frais d'établissement des catégories/grades | Gastos en clasificación /determinación del grado |
| Variable Cash Costs | Coûts monétaires variables | Costo variable en efectivo |
| 6. Economic costs | 6. Coûts économiques | 6. Costos económicos |
| Management & administrative | Gestion et administration | Gerencial y administrativo |
| Interest on capital invested | Intérêt sur capital investi | Interés sobre capital invertido |
| All repairs | Réparations diverses | Reparaciones (todas) |
| General farm overheads | Frais généraux d'exploitation | Gastos generales (finca) |

| Anglais, Inglés | Français | Español |
|---|---|---|
| 7. Fixed costs | 7. Coûts fixes | 7. Costos fijos |
| Power supply | Energie | Energía |
| Irrigation system at the farm | Système d'irrigation de l'exploitation | Suministro de irrigación en la finca |
| Tractors | Tracteurs | Tractores |
| Spray machinery | Matériel de pulvérisation | Maquinaria para rociado |
| Farm implements | Outillage agricole | Implementos agrícolas |
| 8. Total cost | 8. Coût total | 8. Costo total |
| 9. Value of seed cotton | 9. Valeur du coton-graine | 9. Valor algodón en rama |
| 10. Net value of lint | 10. Valeur nette de la fibre | 10. Valor neto de la fibra |
| 11. Net value of seed extracted | 11. Valeur nette des graines extraites à l'égrenage | 11. Valor neto semilla extraídos |
| Bale | Balle | Fardo |
| Cost or price per unit | Coût ou prix à l'unité | Costo o precio por unidad |
| Cost in local currency | Coût en monnaie locale | Costo en moneda local |
| Cost in US$ | Coût en dollars américains | Costo en dólares EE.UU. |
| Country | Pays | País |
| Days | Jours | Días |
| Dose | Dose | Dosis |
| Exchange rate | Taux d'échange | Tasa de cambio |
| Irrigated | Irrigué | Irrigado/a |
| Legend to graphs | Légende des graphes | Leyenda de gráficos |
| Lint | Fibre | Fibra |
| Machine hours | Heures/équipement | Horas/equipo |
| Mandays | Journaliers | Días/hombre |
| Month | Mois | Mes |
| Number | Nombre | Número |
| No. of sprays | Nbre de pulvérisations | No. de rociadas |
| Ownership | Titre de propriété | Título propiedad/posesión |
| Percent | Pourcentage | Porcentaje |
| Quantity per ha | Quantité à l'hectare | Cantidad por hectárea |
| Rainfed | Culture pluviale | Secano |
| Seed cotton | Coton-graine | Algodón en rama |
| Technical assistance | Aide technique | Asistencia técnica |
| Unit | Unité | Unidad |