



COTTON PRODUCTION IN RSA

- 2011/12 crop is 26% smaller than 2010/11
- Due to lower cotton prices and favourable prices of other competing summer crops
- About 62 339 lint bales are estimated to be produced from RSA grown seed cotton

COTTON PRODUCTION IN RSA

- Eight production regions
- Irrigated and dry-land systems
- Commercial and small-scale farmers
- Recommended cultivars by Monsanto
 - All GM cultivars
 - BT and Roundup Ready Flex
 - Stacked

RECOMMENDED CULTIVAR

- Recommendations are made by Cotton SA in conjunction with experts in the cotton industry
- Cultivars are legally registered for planting in the RSA
- The following aspects were taken into account:
 - Yield
 - Fibre length
 - Fibre strength
 - Micronaire
 - Fibre percentage
 - Good adaptability
 - Tolerance to disease

RECOMMENDED CULTIVAR

- Recommendations were made considering the factors per area
- The regions are classified according to temperature and altitude
- The recommendations per area include:
 - Cultivars with acceptable potential
 - Planting dates for each cultivar
 - Optimal plant population per cultivar

RECOMMENDED CULTIVARS

HEREDIE KULTIVARS WORD VIR AL DIE GEBEDE (1 - 8) AANBEVEEL. / THESE CULTIVARS ARE RECOMMENDED FOR ALL THE REGIONS (1 - 8)		SLEGS BEPLANTINGSREÛES / BEPLANTING RECOMMENDATIONS		BEPLANTING IN DROÛLANDGEBEDE / BEPLANTING IN DRYLAND AREAS ONLY	
		DP 210 BRF	Delta 12 BR	Delta 12 BR	Delta 12 BR
HEREDIE KULTIVAR WORD VIR GEBEDE 6, 7 & 8 AANBEVEEL (NET GESKIK VIR HANDPLUKDOELLENDE) / THIS CULTIVAR IS RECOMMENDED FOR REGIONS 6, 7 & 8 (ONLY SUITABLE FOR HANDPICKING PURPOSES)		PM 3225 B2RF			
HEREDIE KULTIVAR WORD SLEGS VIR TOEVLIÛSGEBEDE (REFUGIA) AANBEVEEL. THIS CULTIVAR IS RECOMMENDED FOR REFUGIA AREAS ONLY		Delta 15 BR			
2011/12: PRODUKSIÛESEISOEN / PRODUCTIONS SEASON	OPTIMALE PLANTINGSDATUM / OPTIMAL PLANTING DATE	BEPLANTINGSDATUM / BEPLANTING DATE		BEPLANTINGSDATUM / BEPLANTING DATE	
		PLANTINGSDATUM / PLANTING DATE	PLANTINGSDATUM / PLANTING DATE	PLANTINGSDATUM / PLANTING DATE	PLANTINGSDATUM / PLANTING DATE
GEDELT 1 / REGION 1		15/10 - 20/10	20/11	20/11	20/11
GEDELT 2 / REGION 2		15/10 - 20/10	20/11	20/11	20/11
GEDELT 3 / REGION 3		15/10 - 20/10	20/11	20/11	20/11
GEDELT 4 / REGION 4		15/10 - 20/10	20/11	20/11	20/11
GEDELT 5 / REGION 5		15/10 - 20/10	20/11	20/11	20/11
GEDELT 6 / REGION 6		15/10 - 20/10	20/11	20/11	20/11
GEDELT 7 / REGION 7		15/10 - 20/10	20/11	20/11	20/11
GEDELT 8 / REGION 8		15/10 - 20/10	20/11	20/11	20/11
GEDELT 9 / REGION 9		15/10 - 20/10	20/11	20/11	20/11
GEDELT 10 / REGION 10		15/10 - 20/10	20/11	20/11	20/11
GEDELT 11 / REGION 11		15/10 - 20/10	20/11	20/11	20/11
GEDELT 12 / REGION 12		15/10 - 20/10	20/11	20/11	20/11
GEDELT 13 / REGION 13		15/10 - 20/10	20/11	20/11	20/11
GEDELT 14 / REGION 14		15/10 - 20/10	20/11	20/11	20/11
GEDELT 15 / REGION 15		15/10 - 20/10	20/11	20/11	20/11
GEDELT 16 / REGION 16		15/10 - 20/10	20/11	20/11	20/11
GEDELT 17 / REGION 17		15/10 - 20/10	20/11	20/11	20/11
GEDELT 18 / REGION 18		15/10 - 20/10	20/11	20/11	20/11
GEDELT 19 / REGION 19		15/10 - 20/10	20/11	20/11	20/11
GEDELT 20 / REGION 20		15/10 - 20/10	20/11	20/11	20/11
GEDELT 21 / REGION 21		15/10 - 20/10	20/11	20/11	20/11
GEDELT 22 / REGION 22		15/10 - 20/10	20/11	20/11	20/11
GEDELT 23 / REGION 23		15/10 - 20/10	20/11	20/11	20/11
GEDELT 24 / REGION 24		15/10 - 20/10	20/11	20/11	20/11
GEDELT 25 / REGION 25		15/10 - 20/10	20/11	20/11	20/11
GEDELT 26 / REGION 26		15/10 - 20/10	20/11	20/11	20/11
GEDELT 27 / REGION 27		15/10 - 20/10	20/11	20/11	20/11
GEDELT 28 / REGION 28		15/10 - 20/10	20/11	20/11	20/11
GEDELT 29 / REGION 29		15/10 - 20/10	20/11	20/11	20/11
GEDELT 30 / REGION 30		15/10 - 20/10	20/11	20/11	20/11
GEDELT 31 / REGION 31		15/10 - 20/10	20/11	20/11	20/11
GEDELT 32 / REGION 32		15/10 - 20/10	20/11	20/11	20/11
GEDELT 33 / REGION 33		15/10 - 20/10	20/11	20/11	20/11
GEDELT 34 / REGION 34		15/10 - 20/10	20/11	20/11	20/11
GEDELT 35 / REGION 35		15/10 - 20/10	20/11	20/11	20/11
GEDELT 36 / REGION 36		15/10 - 20/10	20/11	20/11	20/11
GEDELT 37 / REGION 37		15/10 - 20/10	20/11	20/11	20/11
GEDELT 38 / REGION 38		15/10 - 20/10	20/11	20/11	20/11
GEDELT 39 / REGION 39		15/10 - 20/10	20/11	20/11	20/11
GEDELT 40 / REGION 40		15/10 - 20/10	20/11	20/11	20/11
GEDELT 41 / REGION 41		15/10 - 20/10	20/11	20/11	20/11
GEDELT 42 / REGION 42		15/10 - 20/10	20/11	20/11	20/11
GEDELT 43 / REGION 43		15/10 - 20/10	20/11	20/11	20/11
GEDELT 44 / REGION 44		15/10 - 20/10	20/11	20/11	20/11
GEDELT 45 / REGION 45		15/10 - 20/10	20/11	20/11	20/11
GEDELT 46 / REGION 46		15/10 - 20/10	20/11	20/11	20/11
GEDELT 47 / REGION 47		15/10 - 20/10	20/11	20/11	20/11
GEDELT 48 / REGION 48		15/10 - 20/10	20/11	20/11	20/11
GEDELT 49 / REGION 49		15/10 - 20/10	20/11	20/11	20/11
GEDELT 50 / REGION 50		15/10 - 20/10	20/11	20/11	20/11
GEDELT 51 / REGION 51		15/10 - 20/10	20/11	20/11	20/11
GEDELT 52 / REGION 52		15/10 - 20/10	20/11	20/11	20/11
GEDELT 53 / REGION 53		15/10 - 20/10	20/11	20/11	20/11
GEDELT 54 / REGION 54		15/10 - 20/10	20/11	20/11	20/11
GEDELT 55 / REGION 55		15/10 - 20/10	20/11	20/11	20/11
GEDELT 56 / REGION 56		15/10 - 20/10	20/11	20/11	20/11
GEDELT 57 / REGION 57		15/10 - 20/10	20/11	20/11	20/11
GEDELT 58 / REGION 58		15/10 - 20/10	20/11	20/11	20/11
GEDELT 59 / REGION 59		15/10 - 20/10	20/11	20/11	20/11
GEDELT 60 / REGION 60		15/10 - 20/10	20/11	20/11	20/11
GEDELT 61 / REGION 61		15/10 - 20/10	20/11	20/11	20/11
GEDELT 62 / REGION 62		15/10 - 20/10	20/11	20/11	20/11
GEDELT 63 / REGION 63		15/10 - 20/10	20/11	20/11	20/11
GEDELT 64 / REGION 64		15/10 - 20/10	20/11	20/11	20/11
GEDELT 65 / REGION 65		15/10 - 20/10	20/11	20/11	20/11
GEDELT 66 / REGION 66		15/10 - 20/10	20/11	20/11	20/11
GEDELT 67 / REGION 67		15/10 - 20/10	20/11	20/11	20/11
GEDELT 68 / REGION 68		15/10 - 20/10	20/11	20/11	20/11
GEDELT 69 / REGION 69		15/10 - 20/10	20/11	20/11	20/11
GEDELT 70 / REGION 70		15/10 - 20/10	20/11	20/11	20/11
GEDELT 71 / REGION 71		15/10 - 20/10	20/11	20/11	20/11
GEDELT 72 / REGION 72		15/10 - 20/10	20/11	20/11	20/11
GEDELT 73 / REGION 73		15/10 - 20/10	20/11	20/11	20/11
GEDELT 74 / REGION 74		15/10 - 20/10	20/11	20/11	20/11
GEDELT 75 / REGION 75		15/10 - 20/10	20/11	20/11	20/11
GEDELT 76 / REGION 76		15/10 - 20/10	20/11	20/11	20/11
GEDELT 77 / REGION 77		15/10 - 20/10	20/11	20/11	20/11
GEDELT 78 / REGION 78		15/10 - 20/10	20/11	20/11	20/11
GEDELT 79 / REGION 79		15/10 - 20/10	20/11	20/11	20/11
GEDELT 80 / REGION 80		15/10 - 20/10	20/11	20/11	20/11
GEDELT 81 / REGION 81		15/10 - 20/10	20/11	20/11	20/11
GEDELT 82 / REGION 82		15/10 - 20/10	20/11	20/11	20/11
GEDELT 83 / REGION 83		15/10 - 20/10	20/11	20/11	20/11
GEDELT 84 / REGION 84		15/10 - 20/10	20/11	20/11	20/11
GEDELT 85 / REGION 85		15/10 - 20/10	20/11	20/11	20/11
GEDELT 86 / REGION 86		15/10 - 20/10	20/11	20/11	20/11
GEDELT 87 / REGION 87		15/10 - 20/10	20/11	20/11	20/11
GEDELT 88 / REGION 88		15/10 - 20/10	20/11	20/11	20/11
GEDELT 89 / REGION 89		15/10 - 20/10	20/11	20/11	20/11
GEDELT 90 / REGION 90		15/10 - 20/10	20/11	20/11	20/11
GEDELT 91 / REGION 91		15/10 - 20/10	20/11	20/11	20/11
GEDELT 92 / REGION 92		15/10 - 20/10	20/11	20/11	20/11
GEDELT 93 / REGION 93		15/10 - 20/10	20/11	20/11	20/11
GEDELT 94 / REGION 94		15/10 - 20/10	20/11	20/11	20/11
GEDELT 95 / REGION 95		15/10 - 20/10	20/11	20/11	20/11
GEDELT 96 / REGION 96		15/10 - 20/10	20/11	20/11	20/11
GEDELT 97 / REGION 97		15/10 - 20/10	20/11	20/11	20/11
GEDELT 98 / REGION 98		15/10 - 20/10	20/11	20/11	20/11
GEDELT 99 / REGION 99		15/10 - 20/10	20/11	20/11	20/11
GEDELT 100 / REGION 100		15/10 - 20/10	20/11	20/11	20/11

LINT PRODUCTION AND IMPORTS

PRODUKSIE EN INVOERE VAN KATOENVESEL* (metrieke ton) / PRODUCTION AND IMPORTS OF COTTON LINT* (metric tons)

* Produksie deur RSA & Swaziland pluinmeesters & veselvoere deur RSA en Swaziland spinners /
Production by RSA & Swaziland spinners & lint imports by RSA and Swaziland spinners

REMARKINGS/JAAR/ MARKETING YEAR	PRODUKSIE / PRODUCTION				INVOERE VANAF / IMPORTS FROM			
	RSA**	SWAZILAND***	ANDER / OTHER***	TOTAAL/ TOTAL	ZIMBABWE	ZAMBIA	ANDER / OTHER	TOTAAL/ TOTAL
2002/03	17384	3062	792	21238	16864	23096	11632	51592
2003/04	15285	435	628	16348	14150	18218	14255	46623
2004/05	28798	1113	1110	29021	9651	12607	7179	29437
2005/06	20214	1092	636	22941	16650	18174	7576	27419
2006/07	14027	456	0	14483	11841	17957	9314	39112
2007/08	10842	243	88	11173	12394	16216	13473	42083
2008/09	9391	137	92	9620	13205	13677	9426	36408
2009/10	8393	671	13	9077	10680	7393	4105	22178
2010/11	7712	970	0	8682	10702	5407	1772	17881
2011/12	17102	887	0	17989	9554	2163	6507	18224
2012/13****	12347	800	0	13147	n/a	n/a	n/a	12000

** Vastel geproduksie deur RSA pluinmeesters van RSA katoenpluin /
Lint produced by RSA spinners from RSA seed cotton

*** Vastel geproduksie deur RSA & Swaziland pluinmeesters van Swaziland katoenpluin /
Lint produced by RSA & Swaziland spinners from Swaziland seed cotton

**** Vastel geproduksie deur RSA & Swaziland pluinmeesters van Botswana, Namibia, Zimbabwe & Mosambiek katoenpluin /
Lint produced by RSA & Swaziland spinners from Botswana, Namibia, Zimbabwe & Mozambique seed cotton

***** Planning / Estimate



LINT CONSUMPTION AND EXPORT

VERBRUIK* EN UITVOERE VAN KATOENVESEL (metrieke ton) / CONSUMPTION* AND EXPORT OF COTTON LINT (metric tons)

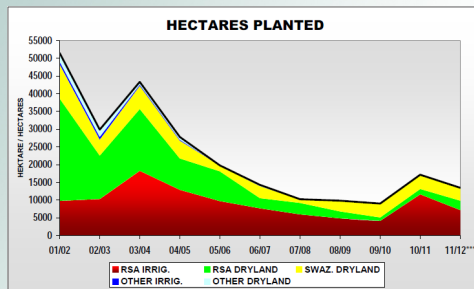
* Verbruik deur RSA en Swaziland spinners / Consumption by RSA and Swaziland spinners

REMARKINGS/JAAR/ MARKETING YEAR	VERBRUIK VAN VESEL AFKOMSTIG VANAF / CONSUMPTION OF LINT ORIGINATING FROM:				TOTAAL VESEL VERBRUIK / TOTAL LINT CONSUMED	UITVOERE VANAF RSA / EXPORTS FROM RSA
	RSA	SWAZILAND	ZIMBABWE	ANDER/OTHER		
2002/03	26419	715	17040	33253	77427	0
2003/04	15677	433	14197	31322	61929	0
2004/05	26975	0	11288	21961	59224	0
2005/06	21449	0	2031	24706	48186	6599
2006/07	9571	0	10300	26644	46515	7733
2007/08	3204	0	12728	30865	46797	6583
2008/09	6302	19	12586	23734	42641	5337
2009/10	2688	729	10186	12259	25842	6567
2010/11	1221	969	10705	9819	22774	6371
2011/12	1661	889	10181	6936	19619	14377
2012/13**	n/a	n/a	n/a	n/a	17000	10000

** SKATTING / ESTIMATE



HECTARES PLANTED



YIELDS FOR SOUTH AFRICA



SMALL-SCALE COTTON FARMER PRODUCTION ESTIMATES



RESEARCH AT ARC-IIC

- **Plant breeding**
 - Cultivar development
- **Crop production**
 - Agronomy
 - Soil, plant and water analysis laboratories
- **Plant protection**
 - Entomology
 - Nematology
 - Pathology
- **Development project**
 - Training and technology transfer



PLANT BREEDING

- **Cultivar development**
 - Developing cotton with resistance to diseases
 - Released 2 cultivars tolerant to Verticillium wilt
 - South African Cotton germplasm collection
 - >1500 accessions
 - Cotton breeding for small farmers
 - 2 advanced hairy leafed lines for resistance to jassids



CROP PRODUCTION

- **Agronomy**
 - National cotton cultivar evaluation
 - See later presentation
 - Low input production systems on cotton (MIP)
 - Rip-on-row
 - Skip row planting



PLANT PROTECTION

- **Nematology**
 - Management of nematodes in an organic farming system
 - Withdrawal of aldicarb (Temik)
- **Entomology**
 - Efficacy of commercially available remedies for pests in organically produced cotton
 - See later presentation



PLANT PROTECTION

- **Pathology**
 - Integrated cotton pest and disease management for improved yield and fibre quality in the SADC region
 - Training trainers in scientific approach
 - Tested success by testing farmers trained in turn
 - Collaboration with Cargill (Malawi, Zambia, SA)



DEVELOPMENT PROJECTS

- Training and technology transfer to small-scale cotton farmers
 - Demonstration plots linked to farmer training courses
- Promoting cotton as an alternative or rotation crop for small scale farmers
 - Empowerment plantings on farm
 - Mentoring on all aspects of production throughout season



THANK YOU

