

**COTTON GERMPLASM SELECTION – Dr. Tilla van der Westhuizen (ARC-IC)**

<b>SAG NO.</b>	<b>CULTIVAR/ID NAME</b>	<b>AUTHOR</b>	<b>SOURCE</b>	<b>DESCRIPTION</b>
2	183-6-81-1-5	Niles, Texas	USA	Disease resistance, lots of corner spot (Boll size 5, opening 5, hairness 3, lint 39% (GOT))
6	0029-82-1S	Texas Agric	USA	A line with Rf gene absent, carry <i>Gossypium harknessii</i> cytoplasm was observed with boll size 5 (medium), opening 5 (medium) and lint of 39 % (GOT)
8	SC-1	USDA, Pee Dee	USA	B with Rf gene is absent, carry <i>Gossypium barbadense</i> cytoplasm with lint ratio of 41% (GOT)
12	PD 2165	Culp, USDA, Pee	Florence, SC, USA	Insect resistance to bollworm and snout beetle (but not in IC-Rustenburg)
13	PD 3249	Culp, USDA, Pee	Florence, SC, USA	Insect resistance to bollworm and snout beetle (but not in IC-Rustenburg). Boll opening of 7 (strong) with Lint percentage of 39.8% were recorded
35	Tamcot 788	Texas Agric. Exp	USA	Commercial cultivar with cytoplasmic male sterility
37	Paymaster 404 B-lyn	Texas Agric	Lubbock, USA	High level of resistance to <i>Verticillium</i> wilt disease
47	CA-3017	Texas Agric.	USA	Breeding line with high strength
54	CALBHUS-1-84	El Zitz, Texas	USA	Showed multiple resistance
74	ORHU-1-78	Texas Agric.	USA	Okra leaf with Frego bract type with multiple resistance
88	Dunn 219	Dunn Seed Farms, Seminole	USA	Commercial Cultivar that recorded lint ratio of 42.4 %

1700		MC Dippenaar	KwazuluNatal	<i>Gossypium herbaceum</i> subsp africanum, it grows in the wild like a perennial shrub
117	Deltapine 16	-----	-----	Commercial cultivar with good fibre qualities such as 47.1% lint percentage
1356	Coker 100	Dr A.E. Percival, USDA, ARS	Texas, USA	Identified for high lint percentage
765	Pee Dee 0878	Culp, Green, Kittrell	Beltsville, Maryland	Bollworm and snout beetle resistance with fibre length of 28.2 mm
35	Tamcot 788	TexasAgric.Exp.	USA	Report of cytoplasmic male sterility conditioned by <i>Gossypium harknessii</i> genome. Fibre length of 28.7 mm
780	Tamcot SP 37 H	Via Niles	USA	Male sterile with fibre length of 30.2 mm
800	AUB Okra 277	Dr. McCarty, USDA-ARS	MissState,MS, USA	Okra leaf type
810	AUB 73B-1	Dr. McCarty, USDA-ARS	MissState,MS, USA	Bacterial rust resistance
832	PD 6186	Culp,USDA,Pee Dee Exp.Staion	Florence,SC, USA	Good fibre quality e.g lint ratio of 42.2%
837	Auburn 56	Dr.Johnson, Auburn University,	AL, USA	Fusarium wilt resistance with lint ratio of 42.1%
972	Si Samrong	Jinda Jan-Orn Field Crop Resea	Bangkok, Thailand	Thailand best commercial cultivar which still requires evaluation under RSA climatic conditions
1040	R-lyn (Gbarbadense) Dr. van Heerden		RSA	Description of smooth leaf with high gossipol was discovered in this line.

1054	Stoneville 2B	Prof. Niles	USA	Bacterial indicator line or identify Xanthomonas disease
1071	M-92 RNR	Dr.Shepherd,ARS-USDA,Auburn,AL	USA	Introduced for nematode evaluation
1098	Deltapine 50	Via Niles	Niles, Texas A&M	Control early maturity
1244	PS 60	Via Percival	Brazil	Gossypium hirsutum "moco" line with drought tolerance
1258	Auburn 634 RNR	Prof. Niles	USA	Nematode resistance
1270	Albac 2 959	Dr Theron	Upington (RSA)	ARC line with good fibre qualities: Elongation 8.4, Micronaire 3.7, Lint percentage 37.4. Fibre Lenth 29.2mm, Uniformity 54.4 lastly Fibre Strength 20.7
1274	Albar 637 (R) [CA 997]	Dr Theron	Upington (RSA)	ARC line with micronaire of 4.2
1306	Rusland	Dr Theron	Upington (RSA)	Elongation 8.9, Micronaire 4.7 and lint percentage 40.9
1403	Pima S-5	Dr Theron	Rustenburg (RSA)	Has extra long fibre property as compared to other convetional cotton lines. It is a <i>Gossypium barbadense</i> spp.
1422	8229	Dr Theron	Rustenburg (RSA)	Lint percentage of 48.6
1424	8345-BR	Dr Theron	Rustenburg (RSA)	Brown cotton fibre colour
1429	9186-2-80-1-2Gr	Dr Theron	Rustenburg (RSA)	Green cotton fibre colour
1500	BR-1, C2	Dr Theron	Rustenburg (RSA)	Bacterial blight resistance
1597	T27, VA 21-1 Vert. tol.	Dr Theron	Rustenburg (RSA)	Verticillium wilt tolerance

1599	Auburn 634	Prof. Niles	Texas A&M, USA	Imported as source of possible nematode resistance
1111	Tamcot SP21	Dekalb	Via Oudestad	Male sterile line
1679	Sicala	.....	Sansor STK/92/SC	Nematode resistance
1681	Tetra	.....	Sansor OTK/JHT/90	Nematode resistance
1695	RKNR 261	DR CW Smith	Texas A&M	Rootknot nematode resistance
1704	Delta Gem	Dr Ken Flower	DeltaPine Australia	Verticillium wilt tolerance
1710	Palala	R vd Westhuizen	Rustenburg (RSA)	Nematode resistance
1711	Seleksie uit Tetra x A2811	Dr Venter	Rustenburg	Elite line with good yields and fibre properties but susceptible to angular leaf spot disease
1742	Arkot 9631ne	Imported by Dr Beyene		Nectariless germplasm Line of Cotton with good yields
1709	Acala Diva	Dr Oakley	California	Tolerant to Verticillium wilt disease
1749	A3 (hairy variety)	Developed:Dr Theron Registered: Mr Cornelissen	Rustenburg	Registered variety for Jassid tolerance
1750	Vertol 1	Developed:Dr Theron Registered: Mr Cornelissen	Rustenburg	Registered variety for Verticillium wilt tolerance
1751	Vertol 2	Developed:Dr Theron Registered: Mr Cornelissen	Rustenburg	Registered variety for Verticillium wilt tolerance