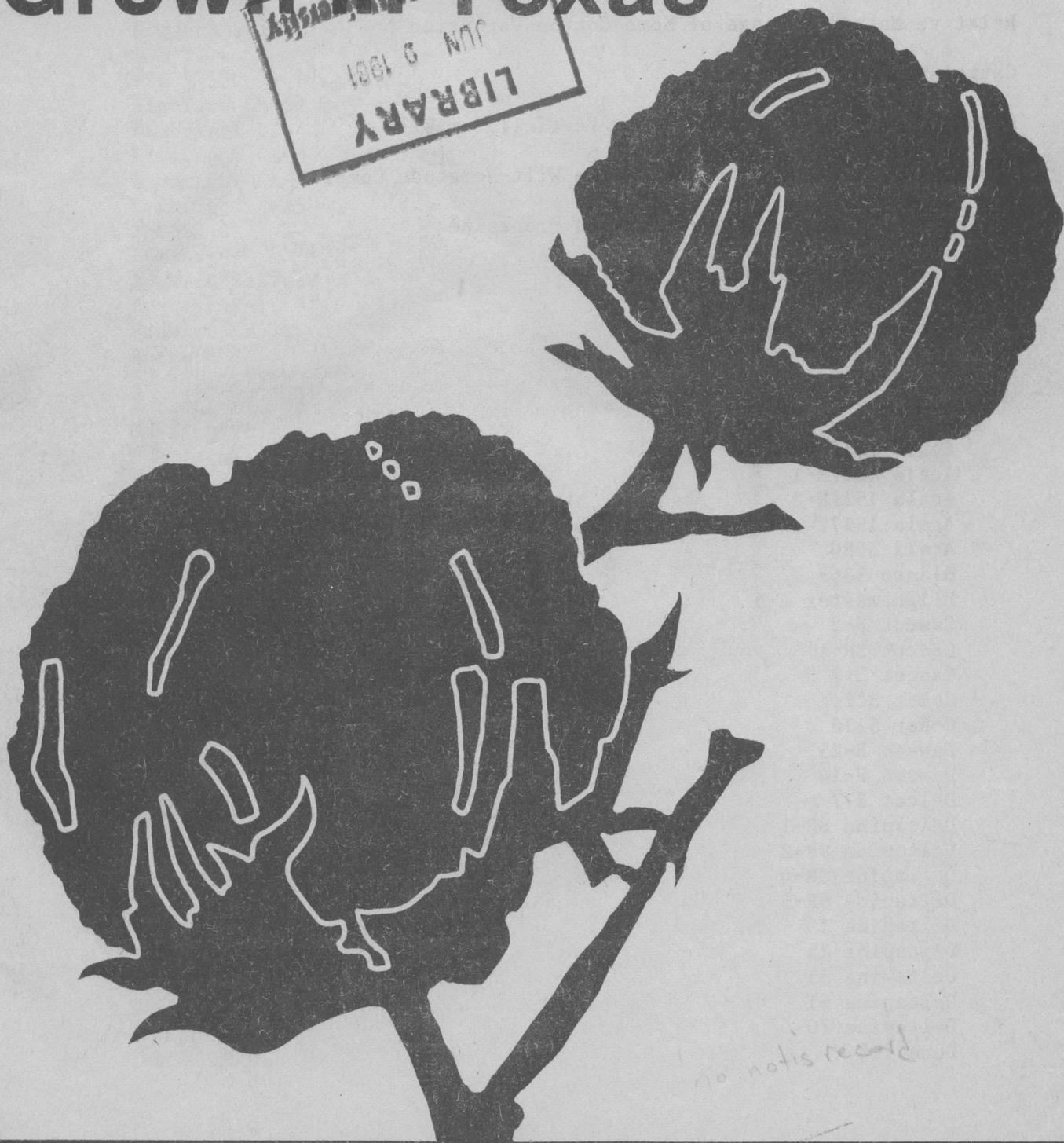


C
245.7
3
1312

B-1312

Characteristics of Cotton Varieties Grown in Texas

LIBRARY
JUN 9 1981
Texas A&M University



no notis record

INDEX

	<u>Page</u>
Foreword	1
Acknowledgments	1
Introduction: Characteristics of Cotton Varieties Grown in Texas	2
Relative Maturity Range of Some Cotton Varieties	3
Cotton Diseases	4
Response of Certain Varieties to Verticillium Wilt	8
Varieties Resistant to the Fusarium Wilt-Nematode Complex	8
Varietal Resistance to Atrazine and Propazine	9
Protected Cotton Varieties in Texas	10
Varieties:	
Definition of Terms	12
Acala 1517-70	15
Acala 1517-75	16
Acala 1517 BR-2	17
Acala 1517E-1	18
Acala 1517E-2	19
Acala 1517V	20
Acala 3080	21
Blanco 3363	22
Blightmaster A-5	23
Cascot B-2	24
Cascot BR-1	25
Cascot L-7	26
Coker 312	27
Coker 5110	28
Dawson B-25	29
Dawson V-14	30
Delcot 277	31
Deltapine SR-1	32
Deltapine SR-2	33
Deltapine SR-4	34
Deltapine SR-5	35
Deltapine 16	36
Deltapine 25	37
Deltapine 55	38
Deltapine 61	39
Deltapine 70	40
Dunn 118	41

INDEX (continued)

	<u>Page</u>
Dunn 119	42
Dunn 120	43
Earlycot 31	44
Earlycot 32	45
Growers GSA 71	46
Growers GSA 74	47
Growers GSA 75	48
Growers GSA 78	49
G&P 3774	50
G&P 3755	51
Highland QM 52	52
Lambright GL-4	53
Lambright GL-5	54
Lambright GL-N	55
Lambright X-15-4	56
Lamesa 5	57
Lamesa 8	58
Lankart Sel. 57	59
Lankart Sel. 611	60
Lankart LX571	61
Lockett 77	62
Lockett 4789A	63
Lockett BXL	64
McNair 220	65
McNair 511	66
McNair 612	67
Northern Star R-4A	68
Northern Star 5	69
Northern Star 998	70
Paymaster 111-A	71
Paymaster 266	72
Paymaster 303	73
Paymaster 792	74
Paymaster 785	75
Pioneer Brand PR-68	76
Quapaw	77
Ranger 55	78
Rex 713	79
Rilcot 90	80
Rilcot 90-A	81
Rilcot Stripper N	82
Rilcot Stripper-Cala S	83
Rogers GL-6	84
Rogers LG-10	85
Southwest 2	86
Stripper 31	87
Stripper 31A	88
Stripper 32	89
TAMCOT 788	90

INDEX (continued)

	<u>Page</u>
TAMCOT SP-37	91
TAMCOT SP-21	92
TAMCOT SP-23	93
TAMCOT SP-37H	94
TAMCOT SP-21S	95
TAMCOT CAMD-E	96
TPSA-1633	97
TPSA-9070	98
Westburn M	99
Western Stormproof	100
Western 44	101
Prolific Stormproof	102
Varieties with High Strength Fiber	103
Glandless Cotton Varieties	104
Other Cotton Varieties - Specific Information Not Available	105
Source of Seed	106
Bibliography	108

FOREWORD

In recent years, new cotton varieties have been developed continuously by public and private plant breeders. These new varieties generally represent progress toward reducing production hazards and increasing yields in areas to which the varieties are adapted. Variety evaluations are conducted continuously by the Texas Agricultural Experiment Station at various locations. County agents and specialists with the Texas Agricultural Extension Service also conduct variety demonstrations in virtually every cotton-producing county in the state. These evaluations give producers a basis for selecting varieties that perform well in their area. This publication provides general information to growers, seedsmen and other interested parties about the distinguishing features of cotton varieties currently available to Texas cotton farmers.

ACKNOWLEDGMENTS

The authors are indebted to the breeders and representatives of the various public institutions and private seed companies who willingly provided descriptive varietal information and submitted helpful reviews of this publication. A special acknowledgment is made to Dr. Levon Ray, cotton breeder with the Texas Agricultural Experiment Station, Lubbock, for his encouragement and time and effort in providing information and reviewing this publication. We also are indebted to Dr. Robert Berry, area Extension plant pathologist, Dr. Earl Minton, USDA-SEA plant pathologist; Dr. Calvin Orr, USDA-SEA nematologist; and Dr. John Abernathy, weed scientist, Texas Agricultural Experiment Station (all located at the Research and Extension Center, Lubbock) for their assistance and willingness to provide published and unpublished data for use in this publication. Appreciation is due Dr. Luther Bird, plant pathologist; and Dr. Alva Niles, cotton breeder, Texas Agricultural Experiment Station, College Station, for helpful suggestions and comments.

Partial printing funds for this publication were provided by the following commercial seed companies:

Abell Ag Company
ACCO Seed
Acid Delinters of Pecos
Bronco Seed Company
Brownfield Seed and Delinting Co.
Bryant Seed and Delinting
Cen-Tex Seeds
Custom Ag Service, Inc.
Dawson County Seed Co.
Delta and Pine Land Co.
Dunn Seed Farms
G & P Seed Company
Growers Seed Association

Hurdt's Quality Seed and Mfg.
Levelland Delinting, Inc.
Littlefield Seed and Delinting
Morton Delinting Company
Northern Star Seed Farm
Pioneer Hi-Bred International, Inc.
Plains Seed Company
Ralls Delinting, Inc.
Rogers Delinting Cottonseed Company
South Texas Planting Seed Association
Southwest Seed and Delinting Company
Sunbelt Delinting
Von Roeder Seed Farms

CHARACTERISTICS OF COTTON VARIETIES GROWN IN TEXAS

Robert B. Metzger and James R. Supak*

The list of cotton varieties available and grown in Texas is larger than those of all other cotton-producing states combined. This publication describes the different traits that normally distinguish one variety from another. Hopefully, the information will enable producers to make better decisions in selecting varieties and minimize some of the confusion that exists as more varieties become available. Many varieties described in this publication have similar traits and breeding background. Information on specific characteristics and recommended production areas is based on data obtained from variety tests conducted by Research and Extension personnel and seed companies. All cotton varieties grown in the state are not described in this publication. A number of varieties were released after this publication was compiled. In some cases, seed companies did not respond to our request for information.

Fiber data were obtained over varying periods of time. For older established varieties this may include data from several years of testing, but data on newly released varieties may represent only two or three production seasons. Climatic conditions and soil types vary greatly across the state and influence fiber properties produced in different production regions. Production management and seasonal variation in weather conditions also alter plant characteristics and fiber properties (especially micronaire) during the season. Cool temperatures on the High Plains during the latter part of the summer frequently reduce micronaire values. In other production regions, prolonged cloudy weather, loss of leaves from insects and/or disease or early chemical defoliation during the boll maturation period contribute to low micronaire. Some coarse-fibered varieties normally grown on the High Plains often exceed the premium micronaire (mike) range when grown in South and Central Texas. Fiber length (staple) and strength are more heritable and exhibit less variation from year to year, but weather conditions still have some influence. The inherent staple length of a variety usually reaches its full potential under irrigation or when no severe moisture stress occurs during the early boll period.

Earliness of maturity and determinacy are important varietal traits that determine maturity rate. Earliness generally is considered an inherited trait that enables one variety to set and mature a crop faster than another, but environmental conditions and cultural practices also influence earliness. Determinacy, which is related closely to earliness, is another important varietal trait that determines regrowth ability. Determinate varieties set fruit early and then "cut-out." In contrast, indeterminate varieties continue to grow and flower throughout the summer. Generally, late-maturing, indeterminate varieties produce larger plants, have a higher yield potential and produce more consistent yields under dryland production. However, indeterminate varieties are more sensitive to excess nitrogen and water resulting in lush vegetative growth, delayed maturity and high insect control costs. In

*Extension cotton specialist and area Extension agronomist-cotton, The Texas A&M University System.

contrast, early-maturing, determinate varieties develop shorter plants and set fewer bolls later in the growing season; this is an advantage in areas with short growing seasons or where late season insects and diseases are major problems.

This publication groups a number of varieties according to maturity and determinacy. This grouping, particularly with respect to earliness, is arbitrary and varies from year to year, especially from one production area to another. Under the maturity column, "VE" refers to very early, "E" early, "EM" Early-medium, "M" medium and "L" refers to late maturity. When considering determinacy, the "D" refers to determinate, "MD" to moderately determinate and "I" indicates indeterminate growth habit.

Table 1. Relative maturity range of some cotton varieties grown in Texas^{1/}

Variety	Maturity	Determinancy	Variety	Maturity	Determinancy
TAMCOT CAMD-E	VE	D	Earlycot 32	E-M	MD
Cascot B-2	VE	D	Gregg 45E	E-M	MD
Earlycot 31	VE	D	Northern Star 5	E-M	D
Mor-Cot M-74	VE	D	Paymaster 266	E-M	MD
Paymaster 792	VE	D	Rilcot Stripper N	E-M	MD
TAMCOT SP-21S	E	MD	TAMCOT 788	E-M	MD
TAMCOT SP-23	E	MD	Westburn M	E-M	MD
TAMCOT SP-37H	E	D	Dunn 118	E-M	D
Dawson B-25	E	MD	Dunn 119	E-M	D
Deltapine SR-4	E	MD	Coker 312	M	MD
Dunn 120	E	MD	Coker 5110	M	I
G&P 3774	E	MD	Delcot 277	M	I
G&P 3755	E	MD	Deltapine SR-1	M	MD
Growers GSA 71	E	MD	Gregg 35W	M	MD
Lockett 77	E	D	Lankart LX571	M	D
Lockett 4789A	E	D	Lankart Sel. 611	M	D
Northern Star R-4A	E	MD	Lambright GL-4	M	I
Paymaster 18	E	MD	Lambright GL-N	M	I
Paymaster 303	E	MD	Lockett BXL	M	MD
Paymaster 784	E	MD	Northern Star 998	M	MD
Paymaster 785	E	MD	Paymaster 111-A	M	MD
Quapaw	E	D	Rilcot Stripper-Cala	M	MD
Rilcot 90-A	E	MD	Stoneville 213	M	I
Stripper 31	E	MD	Acalas	L	I
Stripper 31A	E	MD	Blightmaster A-5	L	I
Stripper 32	E	MD	Deltapine 25	L	I
Southwest-2	E	MD	McNair 511	L	I
Blanco 3363	E-M	MD	Paymaster 909	L	I
Cascot L-7	E-M	MD	Western 44	L	I
Coker 312	E-M	MD	Western Stormproof	L	I
Dawson V-14	E-M	MD	Western Prolific	L	I
Deltapine SR-2	E-M	MD			

^{1/}Maturity rating is based primarily on High Plains growing conditions and may vary in other production regions of the state.

COTTON DISEASES

Only a brief discussion of the major diseases affecting cotton is included in this publication. If a variety shows resistance to a disease or if it is extremely susceptible to certain diseases, this is discussed under variety description. Diseases are responsible for important yield losses. For example, wilt diseases in the western production region and root rot in Central and South Texas areas cost producers millions of dollars each year. Although the search continues for improved disease control, the basic control methods center around disease-free seed, resistant varieties, crop rotation and destruction of plant residue. For additional information on cotton diseases, check with your county Extension agent or Extension pathologist. A brief description of symptoms and control methods of the more common cotton diseases is given below.

<u>Disease</u>	<u>Symptoms</u>	<u>Control</u>
1. Seedling Disease Complex	- Seed rot, preemergence damping off, seedling death	- Bed planting--good seed bed preparation
<u>Rhizoctonia solani</u>	- Root rot (Brown lesions on roots of young seedlings)	
(<u>Thielaviopsis</u> spp.)	- Postemergence damping off Black lesions at the ground line (or above)	- Use high quality seed
(<u>Fusarium</u> spp.)		- Treat seed with recommended fungicide
(<u>Pythium</u> spp.)	- Gray-wet lesions	- Plant when the 10-day soil temperature average is 65° F. or above at the 6- to 8-inch depth
2. Fusarium wilt (<u>Fusarium oxysporum</u>)	- Root knot nematode complex - Leaf wilt, may defoliate - Plants killed or stunted	- Use wilt-resistant varieties - Crop rotation with nematode-resistant crops
	- Dark brown or streaks in wood - Usually associated with nematodes	- Use soil fumigants to control nematodes
3. Verticillium wilt (<u>Verticillium albo-atrum</u>)	- Wilted plant	- Tolerant and resistant varieties
	- Mottled leaves, yellow areas between veins	- Rotation with grain crops; avoid continuous cotton
	- Brownish discoloration of woody stem	- Obtain uniform, adequate stands - Avoid deep cultivation

<u>Disease</u>	<u>Symptoms</u>	<u>Control</u>
	<ul style="list-style-type: none"> - Shedding of leaves and small bolls - Premature boll opening and reduced micronaire 	<ul style="list-style-type: none"> - Avoid excessive irrigation and nitrogen application rates
4. Bacterial blight (<u>Xanthomonas malvacearum</u>)	<ul style="list-style-type: none"> - Early stages--small water-soaked lesions on leaves and bolls - Later stages--lesions turn brown to black with angular shape - Defoliation 	<ul style="list-style-type: none"> - Resistant varieties - Use disease-free seed - Decomposition of infected plant residue - Crop rotations - Use acid-delinted seed
5. Wet weather blight (<u>Ascochyta gossypii</u>)	<ul style="list-style-type: none"> - Lesions on leaves start as small round brown spots. Later the spots turn ashen with dark border and finally the centers fall out - Lesions on stalks and branches occur at the base of leaf petioles and severely damage young cotton 	<ul style="list-style-type: none"> - Seed treatment - Crop rotation - Plow under old leaves and stalks in the fall - Use balanced fertilizer - Protect young cotton from aphids and thrip injury - Reduce sand and wind damage with adjacent planting of grain crop - Delay planting until optimal soil temperature is reached
6. Cotton root rot (<u>Phymatotrichum omnivorum</u>)	<ul style="list-style-type: none"> - Enters roots, decaying bark and penetrating the woody stem - If the decay girdles the tap root, the plant rapidly wilts and dies - Newly wilted plants show light tan strands of the fungi on root surface - Wood shows reddish to wine colored stain along the white woody tissue - Infected field areas show expanding spots of dead plants resulting in large irregular areas by the end of the season 	<ul style="list-style-type: none"> - Maintain high level of organic matter - Rotate with grain crops - Deep plowing immediately after harvest and stalk shredding - Proper fertilizer and insect control for good growth - Timely planting to promote early maturity

<u>Disease</u>	<u>Symptoms</u>	<u>Control</u>
7. Boll rots ^{1/}	<ul style="list-style-type: none"> - Discolored sunken areas on boll surface - Destruction of seed and fiber. Locks do not fluff (hard lock) - Stained fiber - Spotted fiber resulting in reduced grade 	<ul style="list-style-type: none"> - Avoid excess nitrogen and irrigation water to control rank growth - Use early, determinate varieties - Practice early season insect control - Keep free of weeds - Skip row planting - Avoid equipment damage to bolls
8. Nematodes (<u>Meloidogyne spp.</u>)	<ul style="list-style-type: none"> - Root galls on roots - Roots become knotted, shortened and branched - Above ground--plants are stunted, wilted during day, slow and irregular growth - Yield reduced 	<ul style="list-style-type: none"> - Varieties resistant to Fusarium wilt - Soil fumigation - Rotation with grass crops - Fall land preparation
9. Cotton rust (<u>Puccinia Stakmannii</u>)	<ul style="list-style-type: none"> - Yellow spots on leaves, bracts, bolls and stems - Spots enlarge, develop orange to reddish centers - Leaf shed resulting in damage to young bolls when severe infestation occurs 	<ul style="list-style-type: none"> - Clean culture of grama grass around cotton fields - Fungicide (Maneb[®]) application in foliar spray before spores contact cotton leaves
10. Leaf spots (<u>Alternaria</u> , <u>Cercospora</u> <u>Rhizoctonia</u> <u>spp.</u>) <u>Ascochyta</u>	<ul style="list-style-type: none"> - Leaf spots in concentric rings (target appearance) - Different fungi cause various colored leaf spots with many areas becoming chlorotic and dropping out 	<ul style="list-style-type: none"> - Seed treatment - Keep plant in rapid growing conditions - Avoid insect and mechanical injury - Reduced sand and wind damage by adjacent planting of grain crops

^{1/} Future varieties with narrow leaves (okra leaf type) aid in reducing boll rots by permitting better air circulation, lower humidity and increased light penetration into the plant canopy.

RESPONSE OF CERTAIN VARIETIES TO VERTICILLIUM WILT

RESISTANT

Acala 1517-70
 Acala 3080
 Dawson V-14
 GSA 74
 GSA 78
 Paymaster 266
 Paymaster 303
 Paymaster 909

MODERATELY RESISTANT

Cascot L-7
 Dawson B-25
 Delcot 277
 Deltapine SR-5
 Dunn 118
 Dunn 120
 Gregg 35W
 Paymaster 785
 TAMCOT SP-21S
 TAMCOT SP-23
 TAMCOT SP-37H
 TAMCOT 788

MODERATELY SUSCEPTIBLE

Auburn M
 Blightmaster A-5
 Cascot B-2
 Coker 310
 Coker 312
 Coker 348
 Coker 5110
 Dawson E-10
 Dunn 119
 Deltapine SR-1
 Deltapine SR-2
 Deltapine SR-4
 Earlycot 31
 Earlycot 32
 G&P 3774
 G&P 3755
 Gregg 45
 GSA-71
 Lamesa 5
 Lambright GL-4
 Lambright GL-N
 Lockett BXL
 Lockett 77
 McNair 511
 Northern Star 6
 Northern Star R-4A
 Paymaster 111-A
 Paymaster 18
 Paymaster 202
 Paymaster 792

Quapaw
 Rex 713
 Rilcot Stripper N
 Rilcot Stripper-Cala S
 Stripper 31
 Stripper 31A
 Stripper 32
 TAMCOT CAMD-E
 TAMCOT SP-37
 Westburn 70
 Westburn M

SUSCEPTIBLE

Anton 99
 Blanco 3363
 Lamesa 8
 Lankart Sel. 611
 Lankart LX571
 Lankart 3840
 Lankburn
 Lockett 4789A
 Northern Star 5
 Rilcot 90
 Rilcot 90-A
 Western 44
 Western Stormproof
 Western Prolific Stormproof

VARIETIES RESISTANT TO THE FUSARIUM WILT-NEMATODE COMPLEX^{1/}

Auburn M	McNair 511
Cascot B-2	Paymaster 303
Cascot L-7	Southwest-2
Delcot 277	TAMCOT SP-21
Dunn 120	TAMCOT SP-21S
G&P 3755	TAMCOT SP-23
G&P 3774	TAMCOT CAMD-E
Lankburn	TAMCOT SP-37H
Lockett BXL	Westburn 70
Lockett 77	Westburn M

^{1/}Varieties other than those listed here may exhibit tolerance to this disease complex.

VARIETAL RESISTANCE TO ATRAZINE AND PROPАЗINE

Cotton frequently is grown in rotation with corn and grain sorghum. When atrazine or propazine is used on grain crops, soil residuals may be high enough to injure the following cotton crop. Research studies have been conducted by Dr. John Abernathy and his associates at Lubbock (1) to determine levels at which these herbicides injure cotton. This was done by incorporating known rates of atrazine and propazine into a sandy loam soil, planting cotton in these plots and observing the plant response. With atrazine, damage symptoms appeared when 0.2 lbs/acre or more of the chemical was used.

Often farmers, who are concerned about carryover problems with these herbicides, submit soil samples to commercial labs for analysis. Reports from these labs usually express the chemical levels found in the soil as parts per million (i.e., 0.1 ppm propazine), rather than as pounds per acre. Dr. Abernathy's studies were designed so that the two units are equivalent. The atrazine phytotoxicity threshold level for cotton is 0.2 lbs/acre or 0.2 ppm; likewise it is 0.5 lbs/acre or 0.5 ppm for propazine.

In another study, Abernathy and associates (2) sought to determine if there were differences in varietal response to sublethal levels of atrazine and propazine in the soil. In these field experiments conducted at Lubbock, 48 cotton varieties were evaluated over a 2-year period. Results (see below) showed that some varieties are more resistant to these herbicides than others. In a situation where the soil's residual levels of atrazine and propazine are near or slightly above the threshold levels (0.2 or 0.5 ppm, respectively), a grower should select one of the more resistant varieties listed in the chart. Since there were only 48 entries in these tests, other varieties with good levels of resistance may exist. Also, as a rule, glandless cottons are more susceptible to all triazine herbicides (including the cotton herbicide Caparol) than glanded cotton.

Varieties with Some Resistance to Atrazine and Propazine*

Resistance to atrazine

Resistance to propazine

Paymaster 303
Auburn M
Acala B3080
Acala 1517-70
Coker 5110
GSA-71

Auburn M
Acala B3080
Paymaster 303
Coker 5110
Coker 312
Western 44
GSA-71

*From Preliminary Research Report by Dr. John Abernathy, weed scientist, Texas Agricultural Experiment Station, Lubbock.

PROTECTED COTTON VARIETIES IN TEXAS

The Federal Seed Act, passed December 24, 1970, provides breeders the option of protecting cotton and other crop varieties produced from seed. This protection is sometimes referred to as "plant patents," which have been in effect for vegetatively propagated plants such as roses and fruit trees since the early thirties. This law allows breeders and seed companies to direct more effort and investment into developing superior varieties that ultimately benefit the producers.

Cotton varieties discussed in this publication that fit into one of several categories are given below:

- (1) Nonprotected varieties -- All cotton varieties for which seed were sold before September 1, 1969 are nonprotected. Farmers can replant seed of these varieties and can sell seed without labeling with an analysis tag provided they meet the requirement of the farmers exemption.
- (2) U.S. variety protection applied for or granted, specifying that seed can be sold by variety name only -- Seed of these varieties may be sold as certified or noncertified seed by the owner or anyone else to whom the owner specifically grants the rights to do so. Farmers can replant seed of these varieties and sell seed without labeling with an analysis tag provided they meet the requirement of the farmers exemption.

Deltapine 25	Deltapine 61	Deltapine SR-4
Deltapine 55	Deltapine SR-1	Earlycot 31
Deltapine SR-2	Rex 713	Gregg 35-XL
Deltapine 70	Early Cot 32	Gregg 45-M
Stripper 32	Dawson V-14	Paymaster 784
Cascot B-2		
Cascot L-7		

- (3) U.S. variety protection applied for or granted, specifying that the variety be sold by variety name only as a class of certified seed (Title V of the Federal Seed Act) -- Only a class of certified seed of these varieties can be sold by variety name. A farmer can replant seed of these varieties but no one (including the owner) can sell noncertified seed by variety name. There is no farmers exemption.

Blanco 3363	Lambright X-15-3-A	TAMCOT SP-37H
Paymaster 785	Lambright X-15-4	TAMCOT CAMD-E
Cascot BR-1	Lambright L-X-28	TAMCOT SP-21S
Coker 312	Lambright GL-5	TAMCOT SP-37
Coker 5110	Lambright GL-N	Paymaster 266
Delcot 277	Lambright GL-4	Paymaster 111A
GSA-71	Lambright GL-F	Paymaster 303
GSA-74	Lankart LX571	Paymaster 792
GSA-75	Lockett 77	Quapaw
GSA-78	Lockett BXL	Rilcot 90-A
G&P 3755	McNair 511	Rogers GL-6
G&P 3774	McNair 612	Stripper 31A
Dunn 118	McNair 220	Rilcot Stripper N
Dunn 119	TAMCOT SP-23	Westburn M
Pioneer Brand PR-68	TAMCOT SP-21	
	Dunn 120	

- (4) Varieties with Texas variety protection only -- These varieties are not protected under the U.S. Plant Variety Protection Act, but do have Texas variety protection. Only certified seed of these varieties can be sold except those sold under the farmers exemption. Farmers may replant and sell seed of these varieties without labeling with an analysis tag as long as the farmers exemption is met.

Northern Star R-4A	Prolific Stormproof	Western 44
Dawson B-25	Anton SP-2121	ESP 73
Blanco 3520	Lockett 22	Campbell 3772
		Campbell 77

A farmers exemption provides that nothing in the Act shall be construed to prevent one farmer from selling to another farmer, seed grown on his own farm as covered by the provision of the Act, without having said seed tested and labeled as provided for herein, when such seed is not advertised in the public communications media outside the vendor's home county, is not sold, offered for sale or exposed for sale by an individual or organization for a farmer, and is not shipped by common carrier.

To determine the protection status of additional varieties that become available commercially, consult the official journal of the plant variety protection office.

DEFINITION OF TERMS

1. Boll size is based on the following criteria:

Large - less than 65 bolls per pound of seed cotton
 Medium - 65 to 75 bolls per pound of seed cotton
 Small - more than 75 bolls per pound of seed cotton

2. Boll type is described as:

Open
 Storm resistant
 Stormproof

3. Seed per pound indicates the approximate number of seed required to make a pound. In other publications, seed index and seed size often are used as follows:

Seed index is the weight in grams (there are 454 grams per pound) of 100 seed. The approximate number of seed per pound can be obtained as follows:

$$\text{Number seed per pound} = \frac{45,400}{\text{Seed index}}$$

Seed size is based on the following criteria:

<u>Seed size</u>	<u>Seed index</u>	<u>Number of seed per pound</u>
Small	10.5 or less	4,300 or more
Medium	10.5 to 12.5	3,600 to 4,300
Large	12.5 or more	3,600 or less

4. Lint turnout or percent of lint in seed (hand picked) cotton is based on the following criteria:

<u>Lint turnout</u>	<u>Percent seed cotton</u>
Low	less than 35
Medium	35 to 38
High	more than 38

5. Staple length is the average length of the longer fibers expressed in 1/32 of an inch as determined by a classer.
6. Upper half mean is the average length (in 1/100 inches) of the longer one-half of the fibers as determined on the Servo-Fibrograph instrument.

7. Fiber strength or "Pressley" is the force required to break a bundle of fibers with a given cross section. This force is expressed as either pounds per square inch or more recently as grams per tex. A comparison of fiber strength values and the descriptive designation is given below:

<u>Fiber strength values</u>			<u>Fiber strength descriptions</u>
<u>1,000 psi</u>	<u>Grams per tex</u>		
		<u>0-gauge</u>	<u>1/8-inch gauge</u>
Above 90	Above 45	Above 27	Very high strength
84 to 90	42 to 45	25 to 27	High strength
77 to 83	38 to 41	22 to 24	Average strength
70 to 76	34 to 37	19 to 21	Low strength
Below 70	Below 34	Below 18	Very low strength

8. Uniformity ratio (UR) is commonly used to indicate the length uniformity of cotton fibers. It is the ratio between the UHM and mean length (as measured by the Servo-Fibrograph) or the ratio between the 2.5 percent span and 50 percent span length (as measured by the Digital Fibrograph). A comparison of the two UR values and the descriptive designation is given below:

Fibrograph Length Distribution

<u>Uniformity ratio (percent)</u>		<u>Descriptive designation of fiber uniformity</u>
<u>M/UHM servo</u>	<u>50/2.5 percent span digital</u>	
Below 74	Below 42	Very low uniformity
74 to 76	42 to 43	Low uniformity
77 to 79	44 to 45	Average uniformity
80 to 82	46 to 47	High uniformity
Above 82	Above 47	Very high uniformity

9. Micronaire values are used to assess fiber fineness and maturity. The range of values and descriptive designation are given below:

<u>Micronaire reading</u>	<u>Descriptive designation</u>
Below 3.5	Very low
3.5 to 3.9	Low
4.0 to 4.4	Average
4.5 to 5.0	High
Above 5.0	Very high

VARIETIES

Acala 1517-70

Developed jointly by the New Mexico State University Agricultural Experiment Station and Crop Research Division, USDA-ARS. Acala 1517-70 is not a protected variety.

This variety produces tall, broad, pyramidal plants with medium-sized leaves; vegetative branches common; first fruiting branch normally occurs at eighth node; has indeterminate growth habit and is late in maturity.

Acala 1517-70 has good resistance to bacterial blight and Verticillium wilt and moderate resistance to the Fusarium wilt-root knot nematode complex.

This variety has been grown under irrigation in the High Plains and Trans-Pecos regions. Best suited for harvesting with spindle picker.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3480
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 36
Upper Half Mean (UHM): 1.18
Fiber Strength (gm/tex): 27
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 4.0 - 4.5

Acala 1517-75

Developed by the New Mexico State University Agricultural Experiment Station. Acala 1517-75 is not a protected variety.

Acala 1517-75 produces a broad, medium tall, pyramidal plant that normally develops the first fruiting branch at the seventh node; has a moderately determinate growth habit and is medium to late in maturity.

This variety has good resistance to Verticillium wilt and moderate resistance to the Fusarium wilt-root knot nematode complex but is susceptible to bacterial blight.

Acala 1517-75 can be grown under irrigation in the High Plains and Trans-Pecos regions. Best suited for harvesting with spindle picker.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3485
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 37
Upper Half Mean (UHM): 1.22
Fiber Strength (gm/tex): 27
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.5

Acala 1517 BR-2

Developed jointly by the New Mexico State University Agricultural Experiment Station and Crop Research Division, USDA-ARS. Acala 1517 BR-2 is not a protected variety.

Developed from a complex multiple cross which included (Stoneville 20 X 8373) X 216 X (49 X Hartsville). Stoneville 20 and Strain 8373 carry resistance to bacterial blight; Acala 216 and (Acala 49 X Hartsville) have good tolerance to Verticillium wilt.

Acala 1517 BR-2 produces tall, pyramidal plants with medium-sized leaves and short side branches; has an indeterminate growth habit and is late in maturity.

This variety has good resistance to bacterial blight and Verticillium wilt and moderate resistance to the Fusarium wilt-root knot nematode complex.

Acala 1517 BR-2 has been grown under irrigation on the High Plains and Trans-Pecos regions. Best suited for harvesting with spindle pickers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3485
Boll Type: OPEN
Lint Turnout (% seed cotton): LOW
Staple Length (32nd): 36
Upper Half Mean (UHM): 1.18
Fiber Strength (gm/tex): 26
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 3.7 - 4.4

Acala 1517E-1

Developed by the New Mexico State University Agricultural Experiment Station. Acala 1517E-1 is not a protected variety.

Acala 1517E-1 produces a pyramid-shaped plant of medium height that normally develops the first fruiting branch at the sixth node; a shorter, more compact plant than other Acalas; has a moderately determinate growth habit and is early to medium in maturity.

This variety has good resistance to bacterial blight and Verticillium wilt and moderate resistance to the Fusarium wilt-root knot nematode complex.

Acala 1517E-1 has been grown under irrigation in the High Plains and Trans-Pecos regions. Best suited for spindle picker harvesting but also can be stripped.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3485
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 36
Upper Half Mean (UHM): 1.17
Fiber Strength (gm/tex): 26
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.9

Acala 1517E-2

Developed by the New Mexico State University Experiment Station. Acala 1517E-2 is not a protected variety.

Acala 1517E-2 is a selection from Acala 1517E-1; it was tested as strain B 344.

Acala 1517E-2 produces plants slightly shorter and broader than Acala 1517E-1; lint yield generally has exceeded that of Acala 1517E-1; it is early to medium in maturity (a few days earlier than Acala 1517 E-1) and has a moderately determinate growth habit.

Acala 1517E-2 has good resistance to bacterial blight and Verticillium wilt and resistance to the Fusarium wilt-root knot nematode complex is moderate to poor.

Acala 1517E-2 is best suited for irrigated production in the High Plains and Trans-Pecos regions. Best suited for spindle picker harvesting but also can be stripped.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3485
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 36
Upper Half Mean (UHM): 1.17
Fiber Strength (gm/tex): 26
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48.6
Micronaire: 4.5

Acala 1517V

Developed jointly by the New Mexico State University Agricultural Experiment Station and the Crop Research Division, USDA-ARS. Acala 1517V is not a protected variety.

This variety produces a tall, broad, pyramidal plant with medium-sized leaves; vegetative branches common; has an indeterminate growth habit and is late in maturity.

Acala 1517V has no resistance to bacterial blight, poor to moderate resistance to the Fusarium wilt-nematode complex and good resistance to Verticillium wilt.

This variety has been grown under irrigation in the High Plains and Trans-Pecos regions. Best suited for harvesting with spindle pickers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3485
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 37
Upper Half Mean (UHM): 1.23
Fiber Strength (gm/tex): 26
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 4.5

Acala B3080

Developed jointly by the New Mexico State University Agricultural Experiment Station and Crop Research Division, USDA-ARS. Acala 3080 is not a protected variety.

Acala 3080 produces tall, narrow plants with short, fruiting branches; variety is similar to Acala 1517 in fiber quality characteristic but has slightly shorter staple; also bolls are more storm resistant and set slightly higher and closer on the stalk with fewer vegetative branches than Acala 1517; has indeterminate growth habit and is late in maturity.

Variety has good resistance to bacterial blight and Verticillium wilt and is moderately resistant to the Fusarium wilt-root knot nematode complex.

Acala 3080 has been grown under irrigation in the High Plains and Trans-Pecos regions. Best suited for harvesting with spindle pickers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3485
Boll Type: OPEN
Lint Turnout (% seed cotton): LOW
Staple Length (32nd): 37
Upper Half Mean (UHM): 1.22
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 3.8 - 4.4

Blanco 3363

Property of Growers Seed Association, Lubbock, Texas. Blanco 3363 is a protected variety; seed must be sold by variety name only as a class of certified seed. (Title V)

Blanco 3363 is a selection from CA563, a breeding strain developed by the Texas Agricultural Experiment Station from a cross of CA 398 X Lankart Sel. 611.

Blanco 3363 produces a short, compact plant with dense foliage resulting from large, semi-smooth leaves; has a close fruiting habit with the early bolls normally set close to the ground; is early to medium in maturity with a determinate growth habit.

Blanco 3363 is moderately resistant to bacterial blight but has poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Blanco 3363 is recommended for dryland and irrigated production on the High Plains. It is well suited for narrow or double row production on the High and Rolling Plains. Suited for harvesting with brush- and finger-type strippers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4125
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): .96
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 41
Micronaire: 3.7 - 4.0

Blightmaster A-5

Developed by the Texas Agricultural Experiment Station in cooperation with the USDA-ARS at the Texas A&M University Research and Extension Center at Lubbock, Texas. Blightmaster A-5 is not a protected variety.

Blightmaster A-5 originated from the cross [Stormmaster X (Stoneville 20 X Acala 5675) 4-1] X Stormmaster.

This variety produces a plant that is upright but somewhat narrower than the original Blightmaster; leaves are small, fruit sets well above ground, does not start to fruit early but does fruit rapidly; it is late in maturity with an indeterminate growth habit.

Blightmaster A-5 has moderate resistance to bacterial blight but poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Blightmaster A-5 is best adapted to dryland and irrigated production on the Texas High Plains. Best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL

Seed Per Pound: 4020

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): MEDIUM

Staple Length (32nd): 31

Upper Half Mean (UHM): 1.01

Fiber Strength (gm/tex): 19

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 40

Micronaire: 3.8 - 4.6

Cascot B-2

Property of Custom Ag Services, Inc., Loraine, Texas. Cascot B-2 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Cascot B-2 is a selection from parental stock of TX-Bonham released by the Texas Agricultural Experiment Station.

Cascot B-2 produces a short, compact plant with few vegetative branches, has a close fruiting habit with cluster tendency; fruits well above ground with first fruiting branch usually at sixth node; is very early in maturity and has a determinate growth habit.

Cascot has high resistance to bacterial blight and moderate resistance to Fusarium wilt-nematode complex; may escape serious root rot damage due to its earliness; has poor resistance to Verticillium wilt.

Cascot B-2 is suitable for dryland production in the High Plains, Rolling Plains, Blackland and Grand Prairie, Edwards Plateau and Central Basin Regions; irrigated production in the Rolling Plains, Edwards Plateau and Central Basin Regions; and narrow row production in the High and Rolling Plains. Best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 4185
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.03
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 4.2 - 4.8

Cascot BR-1

Property of Custom Ag Services, Inc., Loraine, Texas. Application has been made for plant variety protection; if approved, seed is to be sold by variety name only as a class of certified seed (Title V).

Cascot BR-1 is a selection out of Cascot B-2.

Cascot BR-1 produces a compact plant of medium height with few vegetative branches; it has a normal fruiting habit with an open canopy; fruits well above the ground and is early in maturity with a moderately determinate growth habit.

Cascot BR-1 has high resistance to bacterial blight and moderate resistance to Verticillium wilt and the Fusarium wilt-root knot nematode complex.

Cascot BR-1 is suitable for dryland and irrigation production throughout the state. Suited for stripper and picker harvest.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4730
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.01
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.4 - 4.8

Cascot L-7

Property of Custom Ag Services, Inc., Loraine, Texas. Cascot L-7 is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Cascot L-7 is a selection from parental stocks of TX Lewis, released by the Texas Agricultural Experiment Station.

Cascot L-7 produces a medium height plant with medium-sized, dark green leaves; has a normal fruiting habit; is early in maturity with a moderately determinate growth habit.

Cascot L-7 has high resistance to bacterial blight, Verticillium wilt and the Fusarium wilt-root knot nematode complex.

Cascot L-7 is recommended for dryland and irrigated production in all areas except the Blackland and Grand Prairie regions. It is suited for stripper and picker harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4130
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 42
Micronaire: 4.0 - 4.5

Coker 312

Property of Coker Pedigreed Seed Company, Lubbock, Texas. Coker 312 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Coker 312 was developed from a cross of Coker 100 staple X D&PL-15 and selected through successive generations of line selection.

Coker 312 produces an open, well-balanced plant type; is early to medium in maturity and has an intermediate growth habit; Coker 312 is somewhat earlier, more determinate and has a closer fruiting habit than Coker 5110.

Coker 312 has moderate resistance to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

Coker 312 is suitable for dryland and irrigated production on the High Plains; irrigated production on the Rolling Plains; narrow row production on the High and Rolling Plains. Suited for stripper or picker harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4130
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.14
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 42
Micronaire: 4.0 - 5.0

Coker 5110

Property of Coker Pedigreed Seed Company, Lubbock, Texas. Coker 5110 is a protected variety; seed is being sold by variety name only as a class of certified seed (Title V).

Coker 5110 was developed from a cross of Coker 100 Staple X Deltapine 15 selected through successive generations of line selections.

The plant type is open, well balanced with indeterminate growth habit and medium maturity.

Coker 5110 shows moderate resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex but poor resistance to bacterial blight.

Coker 5110 has performed best under dryland and irrigated production on the High Plains, south of Lubbock. Suited for harvesting with stripper and picker.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3785
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.12
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.7

Dawson B-25

Property of Dawson County Seed Company, Lamesa, Texas. Dawson B-25 is not a protected variety. Application has been made for state certification.

Dawson B-25 is a selection out of TAMCOT 788 (see description for TAMCOT 788) and is similar in yielding ability and fiber properties (long, strong, relatively fine fiber). Compared to TAMCOT 788, Dawson B-25 has slightly higher micronaire, is 2 to 3 days earlier in maturity and slightly improved in Verticillium wilt resistance.

Dawson B-25 shows moderate resistance to bacterial blight but only moderate resistance to Verticillium wilt.

This variety is recommended for dryland and irrigated production on the High Plains. Suitable for harvesting with stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4200
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.07
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.5

Dawson V-14

Property of Dawson County Seed Company, Lamesa, Texas. Application has been made for variety protection.

Dawson V-14 is a selection from CA 614, a line developed at the Texas Agricultural Experiment Station at Lubbock.

Dawson V-14 produces plants of medium height with few vegetative branches; has a moderately determinate growth habit; is early to medium in maturity.

Dawson V-14 has moderate resistance to bacterial blight and Verticillium wilt.

Dawson V-14 is suitable for dryland and irrigated production on the High Plains. Suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4200
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 4.0

Delcot 277

Developed cooperatively by the Missouri Agricultural Experiment Station and the Crops Research Division, USDA-ARS. Delcot 277 is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Delcot 277 originated from the cross "Rex" X (TJ X EF 310) F_5 . Rex is early maturing, tolerant to Fusarium and Verticillium wilt and resistant to Race 1 bacterial blight. (TJ X EF 310) F_5 is noted for superior fiber properties.

This variety produces an open-type plant of medium height; it has an indeterminate growth habit and is medium to late in maturity.

Delcot 277 has moderate resistance to Verticillium and Fusarium wilt and poor resistance to bacterial blight.

Delcot 277 is suitable for dryland and irrigated production on wilt-infested soils in the High and Rolling Plains. It is an open-bolled cotton that can be harvested by picker or stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3490
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.12
Fiber Strength (gm/tex): 19
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 43
Micronaire: 4.0

Deltapine SR-1

Property of Delta & Pine Seed Company, Lubbock, Texas. Deltapine SR-1 is a protected variety; seed to be sold by variety name only.

Deltapine SR-1 was selected from a cross involving Deltapine Smooth Leaf, Rex and Lankart Selection 57.

Deltapine SR-1 produces erect plants of medium height with moderate branching. Plants are slightly shorter than Lankart Selection 57 with about 65 percent smoothleaf; fruit is well set above the ground; has a moderately determinate growth habit and is medium in maturity.

Deltapine SR-1 has slight resistance to bacterial blight and no Verticillium or Fusarium wilt resistance.

The variety has performed well in wilt-free soil on the High Plains, especially south of Lubbock. Suitable for irrigated and dryland production in most regions of the state, except the Blackland and Grand Prairies.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4540
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.07
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 4.1 - 4.8

Deltapine SR-2

Property of Delta & Pine Land Company, Lubbock, Texas. Deltapine SR-2 is a protected variety; seed is to be sold by variety name only.

Deltapine SR-2 was selected from a cross involving Deltapine Smoothleaf, Rex and Gregg 35.

Deltapine SR-2 produces a plant of medium height and is 7 to 10 days earlier in maturity than Deltapine SR-1; about 65 percent smoothleaf; fruits close on short fruiting branches; has a moderately determinate growth habit and is early to medium in maturity.

Deltapine SR-2 has slight resistance to bacterial blight and is moderately susceptible to Verticillium and Fusarium wilt.

Deltapine SR-2 is suitable for dryland and irrigated production throughout the state; suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4540
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 4.2 - 4.8

Deltapine SR-4

Property of Delta & Pine Land Company, Lubbock, Texas. Deltapine SR-4 is a protected variety; seed is to be sold by variety name only.

Deltapine SR-4 was selected from the progeny of a cross involving Deltapine Smoothleaf, Rex and Gregg. It was tested as D&PL 6311-466-52 and is from the same cross as Deltapine SR-2.

Deltapine SR-4 produces an erect plant that is shorter than Deltapine SR-2; about 65 percent smoothleaf; has a close fruiting habit and fruits rapidly; is early in maturity and has a determinate growth habit.

Deltapine SR-4 is slightly resistant to bacterial blight and has some resistance to Verticillium wilt; its level of resistance to the Fusarium wilt-root knot nematode complex is still under investigation.

Deltapine SR-4 is recommended for dryland and irrigated production on the High and Rolling Plains. It has not been extensively tested in other areas of the state. Suitable for narrow row production on the High Plains. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4540
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 3.7 - 4.7

Deltapine SR-5

Property of Delta & Pine Land Company, Lubbock, Texas. Deltapine SR-5 is a protected variety; seed to be sold by variety name only.

Deltapine SR-5 was selected from a cross involving Acala 1517 BR-2, Rex and Deltapine Smooth Leaf. It was tested as Deltapine Experimental Strain 6434-58-61.

Deltapine SR-5 produces erect plants of medium height and with moderate branching; fruit is set well above the ground; it is medium in maturity and has a moderately determinate growth habit.

Deltapine SR-5 has good resistance to Verticillium wilt and slight resistance to bacterial blight; preliminary testing indicates moderate resistance to the Fusarium wilt-root knot nematode complex.

Deltapine SR-5 is suitable for dryland and irrigated production in the High and Rolling Plains, Edwards Plateau and Central Basin regions. Suitable for both stripper and spindle picker harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4540
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 4.2 - 4.8

Deltapine 16

Property of Delta & Pine Land Company, Scott, Mississippi. Deltapine 16 is not a protected variety.

Deltapine 16 is a selection from the progeny of a cross between Deltapine Smooth Leaf and Deltapine 45; tested as Deltapine 5916 or Deltapine 5916-022.

Deltapine 16 produces a plant of intermediate size that is relatively compact; has smooth leaves; fruits moderately high on medium length fruiting branches; has indeterminate growth habit and is late in maturity.

Deltapine 16 has slight resistance to bacterial blight but moderate resistance to Verticillium wilt and the Fusarium wilt-root knot nematode complex.

Deltapine 16 is suitable for irrigated production on the Rolling Plains, Blackland and Grand Prairies, Trans-Pecos, Edwards Plateau, Central Basin and Gulf Coast Prairie. Best suited for harvesting with spindle picker but can be harvested with brush-type stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4130
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 35
Upper Half Mean (UHM): 1.16
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 4.2 - 5.0

Deltapine 25

Property of Delta & Pine Land Company, Scott, Mississippi. Deltapine 25 is a protected variety; seed is to be sold by variety name only.

Deltapine 25 is a selection from the progeny of a cross between Deltapine 45 and Stoneville 7A.

Deltapine 25 produces a vigorous plant slightly taller than Deltapine 16; fruits high on relatively long fruiting branches; has an indeterminate growth habit and is late in maturity.

Deltapine 25 has good resistance to the Fusarium wilt-root knot nematode complex and moderate to good resistance to Verticillium wilt but only slight resistance to bacterial blight.

Deltapine 25 is suitable for irrigated production on the Rio Grande Plain. Best suited for harvesting with spindle picker but can be harvested with brush-type stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL

Seed Per Pound: 4540

Boll Type: OPEN

Lint Turnout (% seed cotton): HIGH

Staple Length (32nd): 35

Upper Half Mean (UHM): 1.13

Fiber Strength (gm/tex): 24

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44

Micronaire: 4.6 - 5.0

Deltapine 55

Property of Delta & Pine Land Company, Scott, Mississippi. Deltapine 55 is a protected variety; seed is to be sold by variety name only.

Deltapine 55 is a selection from the progeny of a cross between Deltapine 5916 and Stoneville 7A.

Deltapine 55 produces a moderately tall plant with an erect, many-branched stem; leaves are moderately hairy; fruits moderately high on medium length fruiting branches; has an indeterminate growth habit and is medium in maturity.

Deltapine 55 has moderate to good levels of resistance to Verticillium wilt and resistance to Fusarium wilt-root knot nematode complex but susceptible to bacterial blight.

Deltapine 55 is suitable for irrigated production on the Rio Grande Plain and Gulf Coast Prairie. Best suited for harvesting with spindle pickers but can be harvested with brush-type stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4540
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.11
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.2 - 5.2

Deltapine 61

Property of Delta & Pine Land Company, Casa Grande, Arizona. Deltapine 61 is a protected variety; seed is to be sold by variety name only.

Deltapine 61 was selected from the progeny of the same cross (Deltapine Smooth Leaf X Deltapine 45), which also gave rise to Deltapine 16. This variety was tested as Deltapine 5916-610 or Deltapine 16-610.

Deltapine 61 produces a vigorous, erect, moderately tall plant; sets fruit well above the ground and fruits rapidly; has an indeterminate growth habit and is medium in maturity.

Deltapine 61 has only slight resistance to bacterial blight with moderate resistance to Verticillium wilt and the Fusarium wilt-root knot nematode complex.

Deltapine 61 is suitable for dryland production on the Rio Grande Plain and irrigated production in the Rolling Plains, Blackland and Grand Prairies, Trans-Pecos, Edwards Plateau, Central Basin and Gulf Coast Prairie. Best suited for harvesting with spindle pickers but can be harvested with brush-type stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4540
Boll Type: OPEN
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 35
Upper Half Mean (UHM): 1.16
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 43
Micronaire: 5.2

Deltapine 70

Property of Delta & Pine Land Company, Casa Grande, Arizona. Deltapine 70 is a protected variety; seed to be sold by variety name only.

Deltapine 70 was selected from a cross of Deltapine 66 (PVP No. 7400025) and Stoneville 7A.

Deltapine 70 produces erect, moderately tall plants that set fruit well above the ground; has an indeterminate growth habit but is early to medium in maturity.

Deltapine 70 has only slight resistance to bacterial blight and poor resistance to Verticillium wilt; its reaction to the Fusarium wilt-root knot nematode complex has not been tested.

Deltapine 70 is suitable for irrigated production in the Rio Grande Plain and Gulf Coast Prairie. Best suited for spindle picker harvesting but also can be stripped.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 5040
Boll Type: OPEN
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.09
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.8 - 5.0

Dunn 118

Property of Dunn Seed Farms, Inc., Seminole, Texas. Dunn 118 is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

Dunn 118 developed from a cross between Rex and CA 398. CA 398 is a complex cross involving Acala, Blightmaster and Macha made at the Texas Agricultural Experiment Station at Lubbock, Texas.

Dunn 118 produces a short plant with few vegetative branches; has a close fruiting habit; the variety has a determinate to moderately determinate growth habit and is medium in maturity.

Dunn 118 is moderately susceptible to bacterial blight but moderately resistant to Verticillium wilt and Fusarium wilt-root knot nematode complex.

This variety is recommended for dryland and irrigated production on the High Plains in conventional and narrow row widths. Recommended for irrigated production in the Rolling Plains. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE

Seed Per Pound: 3360

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): MEDIUM TO LOW

Staple Length (32nd): 34

Upper Half Mean (UHM): 1.12

Fiber Strength (gm/tex): 27

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 52

Micronaire: 3.8 - 4.4

DUNN 119

Property of Dunn Seed Farms, Inc., Seminole, Texas. Dunn 119 is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Dunn 119 was developed by selection and progeny testing of the Dunn breeding materials for higher fiber strength and micronaire.

Dunn 119 produces a relatively short, compact plant with few vegetative branches; has close fruiting habit; medium in maturity with a determinate growth habit.

Dunn 119 has only poor to moderate resistance to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

Dunn 119 is suitable for dryland and irrigated (conventional and narrow row) production on the High and Rolling Plains; suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3020
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.10
Fiber Strength (gm/tex): 27
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 53
Micronaire: 4.0 - 4.4

DUNN 120

Property of Dunn Seed Farms, Inc., Seminole, Texas. Dunn 120 is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Dunn 120 is a selection from crosses of a breeding strain developed at the Texas Agricultural Experiment Station and Dunn 118.

Dunn 120 produces a medium height plant, has a close fruiting habit, is early in maturity and has an intermediate growth habit.

Dunn 120 has good resistance to bacterial blight, moderate resistance to Verticillium wilt and good tolerance to Fusarium wilt-root knot nematode complex.

Dunn 120 is recommended for dryland and irrigated production on the High and Rolling Plains, Blackland and Grand Prairies, Trans-Pecos, Edwards Plateau and Central Basin. Suited for stripper and picker-type harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3780
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.2

Earlycot 31

Property of Agronomics, Inc., Lubbock, Texas. Earlycot 31 is a protected variety; seed to be sold by variety name only.

Earlycot 31 is a selection from CA-491. CA-491 is a cross between Paymaster Stormrider and an early strain imported from Yugoslavia; CA-491 was developed and released by the Texas Agricultural Experiment Station.

This variety produces a short, compact plant with extreme earliness. Fruiting is closely spaced between nodes. Determinate growth habit.

Earlycot 31 shows good resistance to bacterial blight but poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Recommended for irrigated production on the High and Rolling Plains. Well adapted for late planting due to earliness. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4325
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): LOW
Staple Length (32nd): 31
Upper Half Mean (UHM): .96
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.0 - 5.0

EARLYCOT 32

Property of Agronomics, Inc., Lubbock, Texas. Earlycot 32 is not a protected variety.

Earlycot 32 is a selection from a cross of (Rex Smooth Leaf X Acala B3080) X Stripper 31.

Earlycot 32 produces a plant of medium height; approximately 50 percent of plants show smoothleaf characteristics; relatively close fruiting habit; has an intermediate growth habit and is medium in maturity.

Earlycot 32 has moderate to good resistance to bacterial blight and poor resistance to Verticillium wilt.

Earlycot is suitable for dryland and irrigated production on the High and Rolling Plains; suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4325
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 21
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.8 - 4.5

GSA 71

Property of Growers Seed Association, Lubbock, Texas. GSA 71 is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

GSA 71 was developed from crosses involving nine varieties and strains (Nucala 16-7-1, AHA 6-1-4, Rowden 41-B, Roldo Rowden, Hopi, Stormproof 120, Empire WR, BBR 4-1-3 B₂, Macha).

GSA 71 produces plants that are intermediate in height with few vegetative branches and medium leaf size; plants exhibit moderate pubescent (hairy) and relatively short branches; has a moderately determinate growth habit and is early in maturity.

GSA 71 is moderately resistant to bacterial blight and Verticillium wilt. Shows good tolerance to triazine herbicides used on corn and grain sorghum.

Recommended for dryland and irrigated production on the High and Rolling Plains in conventional and narrow row pattern. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3490
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.8 - 4.5

GSA 74

Property of Growers Seed Association, Lubbock, Texas. Application has been made for plant variety protection.

The varieties Stripper 31, Auburn M, Acala 51, Early Fluff and several numbered breeding lines were crossed and backcrossed forming a composite. Plant selections began in the F₂ generation of the composite. The variety GSA 74 was the increase from a single plant selection in the F₅ generation.

GSA 74 has a more upright growth habit than GSA 71 and is 4 to 6 inches taller; fruiting branches are shorter, leaves are smaller and length and density of pubescence are less than those of GSA 71; first bolls normally set 4 to 6 inches above ground; it is early in maturity and has a moderately determinate growth habit.

GSA 74 has good resistance to bacterial blight and Verticillium wilt; varietal reactions to other diseases were evaluated in 1979 and subsequent years.

GSA 74 is presently recommended for dryland and irrigated production in narrow and conventional row patterns on the High and Rolling Plains of Texas. Well-suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4780
Boll Type: OPEN
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 31
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.0 - 4.5

GSA 75

Property of Growers Seed Association, Lubbock, Texas. GSA 75 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

GSA 75 was developed from a cross involving nine varieties and strains (Nucala 16-7-1, AHA 6-1-4, Rowden 41-B, Roldo Rowden; Hopi, Stormproof 120, Empire WR, BBR 4-1-3 B₂, Macha).

GSA 75 produces plants short to intermediate in height with few vegetative branches; leaf size and pubescence are intermediate; has moderately determinate growth habit and is early in maturity. Produces high strength fiber ideal for open end spinning.

GSA 75 has moderate resistance to bacterial blight and Verticillium wilt.

Well suited for dryland and irrigated production on the High and Rolling Plains in conventional and narrow row patterns. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3575
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 3.2 - 4.3

GSA 78

Property of Growers Seed Association, Lubbock, Texas. Application has been made for plant variety protection.

GSA 78 was developed by Growers Seed Association breeders from selections within a seed stock, CA 1056-69-10(F₅), CA 803 X Ariz. 6024, supplied by the Texas Agricultural Experiment Station at Lubbock.

GSA 78 is 4 to 6 inches shorter in height and has branches about 2 to 3 inches shorter than GSA 75. Leaves are dark green and average in size; first bolls appear 5 to 6 inches above the ground; it is medium in maturity and is moderately determinate.

GSA 78 has good resistance to bacterial blight and Verticillium wilt; varietal reaction to other diseases were evaluated in 1979 and subsequent years.

GSA 78 is presently recommended for dryland and irrigated production in narrow and conventional row patterns on the High and Rolling Plains. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3790
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.03
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 3.6 - 4.0

G&P 3774

Developed by G & P Seed Company, Aquilla, Texas. G&P 3774 is a protected variety; seed to be sold by variety name only as a class of certified seed.

G&P 3774 is a selection from a TAMCOT SP-37. For information on a complex cross involved, see TAMCOT SP-37 description.

This variety has a pyramid-shaped plant type, few vegetative branches, intermediate foliage with prominent fruiting branches and open fruiting habit. Early determinate type.

G&P 3774 has high resistance to bacterial blight with moderate resistance to Verticillium and Fusarium wilt. Exhibits some escape from root rot and seeding disease.

Widely grown over Texas and performs well wherever TAMCOT SP-37 is grown. Adapted to stripper and picker harvest.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4325
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 3.5 - 4.0

G&P 3755

Developed by G & P Seed Company, Aquilla, Texas. G&P 3775 is a protected variety; seed to be sold by variety name only as a class of certified seed.

G&P 3755 is a selection from a TAMCOT SP-37 with improved micronaire and earliness. For information on complex cross involved, see TAMCOT SP-37 description.

This variety has a pyramid-shaped plant type, few vegetative branches, intermediate in foliage with prominent fruiting branches and open fruiting habit. Larger bolls than SP-37 or G&P 3774. Early determinate type.

G&P 3755 has high resistance to bacterial blight with moderate resistance to Verticillium and Fusarium wilt. Exhibits some resistance to root rot and seedling disease.

Shows wide adaptation over the state and performs in general areas where TAMCOT SP-37 is produced. Adapted for stripper and picker harvest.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4200
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 3.8 - 4.2

Highland 52

Property of Brownfield and Seed and Delinting Inc., Brownfield, Texas.
Highland 52 is not a protective variety.

Highland 52 is a selection from Rex 66.

Highland 52 produces compact plant with short internodes that set fruit rapidly and have a close fruiting habit; it is early maturing with a determinate growth habit.

Highland 52 has moderate resistance to bacterial blight and poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Highland 52 is suited for dryland and irrigated production in narrow and conventional row patterns in the High Rolling Plains and for dryland production in the Edwards Plateau and Central Basin region. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3630
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): .98
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 79
Micronaire: 3.9 - 4.5

Lambright GL-4

Property of J. H. Lambright, Slaton, Texas. Northern Star Seed Farms, Lubbock, Texas, has exclusive rights to Lambright GL-4. Lambright GL-4 is a U.S. protected variety and is to be sold by variety name only as a class of certified seed.

Lambright GL-4 was developed from a cross of Lambright X-15-4 (glanded) and CA-852 (a glandless line developed and released by the Texas Agricultural Experiment Station).

Lambright GL-4 is a glandless variety that produces a compact, smooth leaf plant of medium height; has a moderately determinate growth habit and is medium to late in maturity; produces a high strength fiber.

Lambright GL-4 has good tolerance to bacterial blight and poor resistance to Verticillium and Fusarium wilt.

This variety is suited for dryland and irrigated production on the High and Rolling Plains. Suitable for stripper harvest.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3490
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.08
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 2.6 - 4.4

Lambright GL-5

Property of J. H. Lambright, Slaton, Texas. Northern Star Seed Farms, Lubbock, Texas, has exclusive rights to Lambright GL-5. Lambright GL-5 is a U.S. protected variety and is to be sold by variety name only as a class of certified seed.

Lambright GL-5 was developed from a cross of Lambright X-15-5 (glanded variety) and CA-852 (a glandless line developed and released by the Texas Agricultural Experiment Station).

Lambright GL-5 is a glandless variety of the smoothleaf class that produces medium height plants with short fruiting branches; has a moderately determinate to indeterminate growth habit and is medium to late in maturity; produces a high strength fiber.

Lambright GL-5 is resistant to bacterial blight and has poor resistance to Verticillium and Fusarium wilt.

Suited for dryland and irrigated production on the High and Rolling Plains. Suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3495
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.11
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 3.6 - 4.1

Lambright GL-N

Property of J. H. Lambright, Slaton, Texas. Northern Star Seed Farms, Lubbock, Texas, has exclusive rights to Lambright GL-N. Lambright GL-N is a U.S. protected variety and is to be sold by variety name only as a class of certified seed.

This variety was developed from a cross including Lambright GL-5 (glandless) and CA 1786 (glandless and nectariless) line developed and released at the Texas Agricultural Experiment Station.

Lambright GL-N is a glandless, nectariless cotton of the smoothleaf class that produces plants of medium height with medium to short fruiting branches; has a moderately determinate growth habit and is medium in maturity.

The variety has good resistance to bacterial blight but is susceptible to Verticillium and Fusarium wilt.

Lambright GL-N is suited for dryland and irrigated production on the High and Rolling Plains. Suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL TO MEDIUM
Seed Per Pound: 4280
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 3.5 - 4.6

Lambright X-15-4

Property of J. H. Lambright, Slaton, Texas. Northern Star Seed Farms, Lubbock, Texas, has exclusive rights to Lambright X-15-4. Lambright X-15-4 is a U.S. protected variety and is to be sold by variety name only as a class of certified seed.

Lambright X-15-4 was developed from a cross of Lambright 123-BR-1 (an upland stormproof cotton) and Del Cerro (an open, long staple cotton).

Lambright X-15-4 is a normal glanded variety that produces erect, medium height plants; fruit sets well off the ground; has a determinate growth habit and is medium in maturity. This variety produces a high strength fiber well suited for open end spinning.

X-15-4 is resistant to bacterial blight and reportedly has resistance to Verticillium and Fusarium wilt.

X-15-4 is suited for dryland and irrigated production on the High and Rolling Plains. Suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3415
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.12
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.5 - 4.6

Lamesa 5

Property of Dawson County Seed Company, Lamesa, Texas. Lamesa 5 is not a protected variety.

Lamesa 5 was selected from the cross Blightmaster A-5 X Lankart 3840.

Lamesa 5 produces upright plants of medium height with few vegetative branches; fruit sets well above ground; it is late in maturity with an indeterminate growth habit.

Lamesa 5 has good resistance to bacterial blight but poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Lamesa 5 is best suited for dryland production especially in the southern counties of the Texas High Plains. Well suited for stripper harvesting.

Lamesa 5 has produced well under dryland conditions.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 5045
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 31
Upper Half Mean (UHM): .98
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 3.8 - 4.5

Lamesa 8

Property of Dawson County Seed Company, Lamesa, Texas. Lamesa 8 is not a protected variety.

Lamesa 8 was selected from the cross Blightmaster A-5 X Lankart 3840.

Lamesa 8 produces plants of medium height with few vegetative branches; similar to Lamesa 5 but is medium in maturity and produces larger bolls; it has an indeterminate growth habit.

Lamesa 8 has good resistance to bacterial blight but poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Lamesa 8 is suitable for dryland and irrigated production on the High Plains where diseases are not a limiting factor. Well suited for stripper harvesting. May be grown under dryland or limited irrigation conditions.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4540
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44
Micronaire: 3.8 - 4.5

Lankart Sel. 57

Property of Pioneer Hi-Bred International, Inc., Plainview, Texas. Lankart Sel. 57 is not a protected variety.

Lankart Sel. 57 was developed from the variety known as Lone Star by C. S. Lankart, Waco, Texas.

Lankart Sel. 57 is a short, compact plant with a short, main stem, dense leaves, short fruiting branches; large, stormproof-type bolls; medium to early maturity that varies in different areas; close fruiting.

Lankart Sel. 57 is susceptible to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

Recommended for dryland production on the High and Rolling Plains, Blackland Prairie, Edwards Plateau and Central Basin areas. Not recommended for wilt-infested areas. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE

Seed Per Pound: 3195

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): MEDIUM

Staple Length (32nd): 31

Upper Half Mean (UHM): .98

Fiber Strength (gm/tex): 18

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47

Micronaire: 4.2 - 5.6

Lankart Sel. 611

Property of Pioneer Hi-Bred International, Inc., Plainview, Texas. Lankart Sel. 611 is not a protected variety.

Lankart Sel. 611 is a selection out of Lankart Sel. 57.

Lankart Sel. 611 produces a plant type similar to Lankart Sel. 57 but is slightly earlier in maturity; has a close fruiting habit; is medium in maturity with a determinate growth habit.

Lankart Sel. 611 has very low levels of resistance to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

Lankart Sel. 611 is suitable for dryland and irrigated production on the High and Rolling Plains, Blackland and Grand Prairies, Trans-Pecos, Edwards Plateau, Central Basin and Rio Grande Plain; suited for narrow row production on the High and Rolling Plains, Blackland and Grand Prairies. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE

Seed Per Pound: 3220

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): MEDIUM

Staple Length (32nd): 32

Upper Half Mean (UHM): 1.01

Fiber Strength (gm/tex): 19

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47

Micronaire: 3.7 - 4.9

Lankart LX571

Property of Pioneer Hi-Bred International Inc., Plainview, Texas.

Lankart LX571 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Lankart LX571 was developed from the cross of Lankart 57 X Lankart 3840.

Lankart LX571 produces short, compact plants with dense leaves and short fruiting branches; fiber length and strength slightly improved over Lankart Sel. 57; close fruiting habit; medium in maturity (slightly earlier than Lankart Sel. 57) with a determinate growth habit.

Lankart LX571 has very low levels of resistance to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

Lankart LX571 is suitable for dryland and irrigated production on the High and Rolling Plains, Blackland and Grand Prairies, Edwards Plateau and Central Basin. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14).

Boll Size: LARGE
Seed Per Pound: 3440
Boll Type: STORMPROOF
Lint Type (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.04
Fiber Strength (gm/tex): 20
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 3.8 - 5.5

Lockett 77

Property of Pioneer Hi-Bred International, Inc., Plainview, Texas. Lockett 77 is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

Lockett 77 is a multiple-adversity, resistant variety developed by Lockett Seed Company from a cross of (Lockett 4789A X Tam SP 12-67) X (Lockett 4789A X CA 563).

Lockett 77 produces an erect plant with a short to moderately tall main stem; has sparse foliage; normal medium-sized leaf and light pubescence (hairiness) on leaves and stem; close fruiting with short fruiting branches; lowest bolls about 5 to 6 inches above ground; usually 5 to 6 nodes to the first fruiting branch; has a determinate growth habit and is early in maturity.

Lockett 77 has high resistance to bacterial blight and Fusarium wilt-root knot nematode complex and moderate resistance to Verticillium wilt. Also shows some cold resistance during germination and seedling emergence.

Recommended for dryland and irrigated production in regular and narrow rows in all regions of the state. Suitable for harvest with brush-type stripper.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3950
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 3.5 - 5.2

Lockett 4789A

Property of Pioneer Hi-Bred International, Inc., Plainview, Texas. Lockett 4789A is not a protected variety.

Lockett 4789A is an improved strain of Lockett 4789 that is slightly earlier and more stormproof than 4789.

Lockett 4789A produces a compact plant with an erect, short to intermediate main stem; medium to heavy foliage; normal leaf size and pubescence (hairiness); short fruiting branches; close fruiting habit; is early in maturity with a determinate growth habit.

Lockett 4789A is susceptible to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

Lockett 4789A is suited for irrigated and dryland production on the High and Rolling Plains, Edwards Plateau and Central Basin; also suited for narrow row production in above areas; variety is best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL

Seed Per Pound: 3880

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): MEDIUM

Staple Length (32nd): 33

Upper Half Mean (UHM): 1.06

Fiber Strength (gm/tex): 23

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47

Micronaire: 3.5 - 5.2

Lockett BXL

Property of Pioneer Hi-Bred International, Inc., Plainview, Texas. Lockett BXL is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Lockett BXL was developed from a cross between Lockett 4789 and a disease-resistant strain developed at the Texas Agricultural Experiment Station, College Station, Texas.

Lockett BXL produces a semi-compact plant with an erect, short to medium height main stem; medium foliage, few vegetative branches, short to medium length fruiting branches; has a compact fruiting habit; is medium in maturity with a moderately determinate growth habit.

Lockett BXL has good resistance to the Fusarium wilt-root knot nematode complex but is susceptible to bacterial blight (Race 1) and Verticillium wilt.

Lockett BXL is suited for dryland and irrigated production on the High and Rolling Plains. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3815
Boll Type: STORMPROOF
Lint Turnout (5 seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 3.5 - 5.3

McNair 220

Property of McNair Seed Company, Laurinburg, N.C. McNair 220 is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

McNair 220 is developed from a cross of Coker 201 X PD2175 selection.

McNair 220 is moderate in height; few vegetative branches, dense foliage and light colored leaves. Some side by side (parallel internode) fruiting; short internodes; early maturity with moderately determinate growth habit.

McNair 220 is susceptible to bacterial blight and Verticillium wilt but has good resistance to Fusarium wilt-root knot nematode complex.

Recommended for the Rio Grande Plain and the Gulf Coast Prairie. Suitable for harvesting with spindle pickers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4585
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.08
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 80
Micronaire: 4.0 - 4.9

McNair 511

Property of McNair Seed Company, Laurinburg, N.C. McNair 511 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

McNair 511 is a selection out of the Auburn strains.

McNair 511 produces a tall, spreading plant; large leaves; dense foliage; fruits well off the ground; relatively long fruiting branches; is late in maturity with an indeterminate growth habit.

McNair 511 has good resistance to the Fusarium wilt-root knot nematode complex, poor resistance to Verticillium wilt and is susceptible to bacterial blight.

McNair 511 is suited for dryland production on the High Plains and for irrigated production on the High Plains, Rio Grande Plain and Gulf Coast Prairie. Suitable for harvesting with brush-type stripper and spindle pickers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4365
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.12
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 4.0 - 4.9

McNair 612

Property of McNair Seed Company, Laurinburg, N.C. McNair 612 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

McNair 612 is a selection from the progeny of a cross of Carolina Queen X McNair 1032.

McNair 612 produces a medium height plant with moderate branching, large leaves and dense pubescent (hairy) foliage; is medium in maturity with a moderately determinate growth habit.

McNair 612 has moderate resistance to the Fusarium wilt-root knot nematode complex, poor resistance to Verticillium wilt and is susceptible to bacterial blight.

McNair 612 is suited for irrigated production on the Rio Grande Plain and Gulf Coast Prairie. Best suited for harvesting with spindle pickers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4285
Boll Type: OPEN
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 35
Upper Half Mean (UHM): 1.16
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 4.0 - 4.9

Northern Star R-4A

Property of Northern Star Seed Farms, Inc., Lubbock, Texas. Northern Star R-4A is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Northern Star R-4A was selected for large bolls, heavier leaves and high micronaire. This variety involves the same parentage as Stripper 31.

Northern Star R-4A produces a strong, semi-compact type plant with light foliage; fruiting is fairly compact, moderate internodes and few vegetative branches. Fruiting occurs on the seventh to ninth node.

Northern Star R-4A shows good resistance to bacterial blight but poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High and Rolling Plains. Used for narrow row production on the High Plains. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4410
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 31
Upper Half Mean (UHM): .97
Fiber Strength (gm/tex): 20
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.7 - 6.0

Northern Star 5

Property of Northern Star Seed Farms, Inc., Lubbock, Texas. Northern Star 5 is not a protected variety.

Northern Star 5 is developed from a cross (Stormproof X Northern Star 11) X Stormmaster selected for high fruiting and high micronaire on the Rolling Plains.

Northern Star 5 produces an erect plant with good height on dryland production, moderate leaf size and strong stalk. Compact fruiting on short internodes. Fruits high off the ground at the seventh to ninth node. Medium maturity and moderately determinate growth habit.

Northern Star 5 shows good resistance to bacterial blight but is susceptible to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Suited for dryland and irrigated production on the southern part of the High Plains, Rolling Plains and Southwest Oklahoma and for dryland production on the Blackland Prairie. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM

Seed Per Pound: 3950

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): HIGH

Staple Length (32nd): 32

Upper Half Mean (UHM): .95

Fiber Strength (gm/tex): 20

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46

Micronaire: 4.0 - 5.0

Northern Star 998

Property of Northern Star Seed Farms, Inc., Lubbock, Texas. Northern Star 998 is not a protected variety.

Northern Star 998 was developed from a selection made by a seedman in a commercial field near Littlefield, Texas.

Northern Star 998 produces a semi-compact plant with a strong, erect main stem; sets fruit well off the ground; does not show a cluster tendency; is medium in maturity with a moderately determinate growth habit.

Northern Star 998 has good resistance to bacterial blight and moderate resistance to Verticillium wilt and Fusarium wilt-root rot nematode complex.

Northern Star 998 is suited for dryland and irrigated production on the High and Rolling Plains. Best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 3915
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): .95
Fiber Strength (gm/tex): 21
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 4.5

Paymaster 111A

Property of ACCO Seed Co., Aiken, Texas. Paymaster 111A is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Paymaster 111A was developed from a cross of Paymaster 101 X Lankart 611; similar to Paymaster 111 but staple length is about 1/32 inch longer and has better bacterial blight resistance.

Paymaster 111A produces a semi-compact plant, light foliage, fruits well off the ground; is medium maturity with a moderately determinate growth habit.

Paymaster 111A has moderate resistance to bacterial blight and Verticillium wilt with poor resistance to Fusarium wilt-root knot nematode complex.

Paymaster 111A is suited for dryland and irrigated production on the High Plains. Variety is best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3390
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 4.1 - 5.5

Paymaster 266

Property of ACCO Seed Company, Plainview, Texas. Paymaster 266 is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

Paymaster 266 developed from cross (Arizona 6024 - 11-1-2 X DPL 5540) X (Paymaster 101A X Texas Experiment Station strain B₄).

Paymaster 266 is intermediate in height and produces upright plants with a moderate amount of branching; bolls set well off the ground on fruiting branches of intermediate length; is moderately determinate with early maturity.

Paymaster 266 shows high resistance to Verticillium wilt and some resistance to bacterial blight and Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High Plains for regular or narrow row width. Also recommended for irrigated production on Rolling Plains, Edwards Plateau and Central Basin regions. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3600
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.2 - 5.5

Paymaster 303

Property of ACCO Seed Company, Plainview, Texas. Paymaster 303 is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

Paymaster 303 was developed from a cross of Paymaster 18 X Paymaster 111.

Paymaster 303 produces fairly compact (3 inches shorter than Paymaster 111) plant with few vegetative branches; fruiting branches intermediate in length and determinate; bolls set well off the ground to facilitate stripping; has moderately determinate growth habit and is early in maturity.

Paymaster 303 shows good resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex and moderate resistance to bacterial blight. Shows good tolerance to triazine herbicides used on corn and grain sorghum.

Recommended for dryland and irrigated production on the High and Rolling Plains, Edwards Plateau and Central Basin regions for regular and narrow row widths. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3630
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.02
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.0 - 5.0

Paymaster 792

Property of ACCO Seed Company, Aiken, Texas. Paymaster 792 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Paymaster 792 was developed from a cross of Paymaster Dwarf X Tenn. 59-538.

Paymaster 792 produces a short, compact plant with few vegetative branches; has a close fruiting habit and early bolls may be set low if early season moisture is limited.

Paymaster 792 has moderate resistance to bacterial blight but poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Paymaster 792 is suited for irrigated production on the High Plains and narrow row production throughout the state. Variety is suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3950
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 21
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.0 - 5.0

Paymaster 785

Property of ACCO Seed Company, Plainview, Texas. Paymaster 785 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Paymaster 785 was developed from a Paymaster 909 outcross. It differs from Paymaster 18 in that it is more tolerant to Verticillium wilt, has larger bolls and generally has out-yielded the older variety.

Paymaster 785 produces a compact plant; bolls produced well off the ground, fruiting branches of intermediate length. Early maturity and moderately determinate; good for late planting on the High Plains due to high micronaire.

Paymaster 785 has resistance to bacterial blight and Verticillium wilt but is susceptible to Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High Plains in regular or narrow row width and for dryland production (late planted) on the Rolling Plains region. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 3690
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 30
Upper Half Mean (UHM): .96
Fiber Strength (gm/tex): 21
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 4.6 - 6.6

Pioneer Brand PR-68

Property of Pioneer Hi-Bred International, Inc., Plainview, Texas. Pioneer Brand PR-68 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Pioneer Brand PR-68 was developed from the cross (Lockett 4789 X Tam-SP52-67) X (Lockett 4789A X Tam-79N, BV65).

Pioneer Brand PR-68 produces erect plants that are short to intermediate in height, have intermediate foliage, produce few vegetative branches and are normally pubescent (moderately hairy). The variety has a close fruiting habit with short to intermediate fruiting branches; first fruiting branches generally occur on the sixth node, usually 5 to 6 inches above ground; it is early in maturity and has a moderately determinate growth habit.

Pioneer Brand PR-68 has high resistance to bacterial blight and Fusarium wilt-root knot nematode complex with moderate resistance to Verticillium wilt.

Pioneer Brand PR-68 is suitable for dryland and irrigated production in the High Plains, Rolling Plains, Blacklands, Grand Prairies, Edwards Plateau, Central Basin and Gulf Coast Prairies. The variety is well adapted for narrow row production in the above regions. Best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4125
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.04
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 3.5 - 5.2

Quapaw

Developed by the Arkansas Agricultural Experiment Station. All rights to the Quapaw variety have been assigned to Rogers Delinted Cottonseed Company, Waco, Texas. Quapaw is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V).

Quapaw was originally released as Arkansas 61-38; its background is similar to Stripper 31.

Quapaw produces a compact-type plant that is rapid fruiting with short internodes; sparse foliage and medium-sized bolls; it has a determinate growth habit and is early maturing.

Quapaw shows only slight resistance to Verticillium wilt but is susceptible to bacterial blight and Fusarium wilt-root knot nematode complex.

Field observations have indicated Quapaw has some tolerance to "over-the-top" and post-directed applications of herbicides such as DSMA and is slightly difficult to defoliate.

Recommended for dryland production in all regions of the state, except the Trans-Pecos area. Recommended for irrigated production in all regions except the Blackland Prairie, Edwards Plateau and Central Basin. Well suited for narrow row production. Suitable for stripper harvesting but has been spindle picked in some areas. Some resistance to defoliation with harvest-aid chemicals.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4325
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.08
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 4.0 - 5.0

Ranger 55

Property of Ranger Seed Company, Tahoka, Texas. Ranger 55 is not a protected variety.

Ranger 55 was developed from selections Little's Special, which was developed from the original Macha variety. The variety produces plants short to intermediate in height that are moderately pubescent; has a close fruiting habit with short fruiting branches; it is early in maturity and has a moderately determinate growth habit.

Ranger 55 is reported to have some bacterial blight resistance but is susceptible to Verticillium wilt and Fusarium wilt-root knot nematode complex.

Ranger 55 is suitable for dryland and irrigated production in narrow or conventional rows in the High and Rolling Plains on wilt-free soils. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4245
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 0.96
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.3 - 5.0

Rex 713

Developed by the Arkansas Agricultural Experiment Station. Rex 713 (previously called New Rex) is a protected variety; seed to be sold by variety name only.

Rex 713 originated as a single plant selection from Rex Smoothleaf 66. The original plant was earlier in maturity and its progeny resembled original Rex more than Rex Smoothleaf 66. Designated Experimental number 70-13 during development.

This variety is compact with relatively short stalk and medium to small leaves. Fruiting habit is determinate and upright but not a semi-cluster. Medium maturity. Pubescence close to Rex Smoothleaf 66.

Rex 713 has moderate bacterial blight resistance but poor resistance to Verticillium wilt and only moderate resistance to Fusarium wilt-root knot nematode complex.

This variety adapted for the High and Rolling Plains, Central Blacklands and the Gulf Coast Prairie regions. Suitable for harvesting with a brush-type stripper and spindle picker.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4130
Boll Type: OPEN
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 34
Upper Half Mean (UHM): 1.18
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.0 - 4.6

Rilcot 90

Property of Rilcot Seed Company, a Division of Riley Yieldmaster Seed Corp., Littlefield, Texas. Rilcot 90 is not a protected variety.

Rilcot 90 is a selection from early Macha; produces higher strength, higher micronaire fiber and more stormproof bolls than the old Macha variety.

Rilcot 90 produces a compact plant with a close fruiting habit; is early in maturity with a moderately determinate growth habit.

Rilcot 90 has moderate resistance to bacterial blight but poor resistance to Verticillium wilt.

Rilcot 90 is suited for dryland production on the High and Rolling Plains, Blackland, Gulf Coast Prairies, Edwards Plateau, and Central Basin and for irrigated production on the High and Rolling Plains with narrow row width. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4780
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 30
Upper Half Mean (UHM): .92
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 4.0 - 5.0

Rilcot 90-A

Property of Rilcot Seed Company, a Division of Riley Yieldmaster Seed Corp., Littlefield, Texas. Rilcot 90-A is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Rilcot 90-A is a selection from Rilcot 90 that is earlier in maturity, has shorter branches and more stormproof bolls than the older variety.

Rilcot 90-A produces a relatively short, compact plant with a close fruiting habit; it is early in maturity with a moderately determinate growth habit.

Rilcot 90-A has some resistance to bacterial blight and poor resistance to Verticillium wilt.

Rilcot 90-A is suited for dryland production on the High and Rolling Plains, Blackland, Gulf Coast Prairies, Edwards Plateau and Central Basin; suited for narrow row production on the same areas; suited for production under irrigation on the High and Rolling Plains. Well adapted to stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4780
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 30
Upper Half Mean (UHM): .94
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 4.1 - 5.1

Rilcot Stripper N

Property of Rilcot Seed Company, a Division of Riley Yieldmaster Seed Corp., Littlefield, Texas. Rilcot Stripper N is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Rilcot Stripper N is an early maturing selection from CA 398, a breeding strain developed by the Texas Agricultural Experiment Station at Lubbock.

Rilcot Stripper N produces a compact plant with a close fruiting habit; it is medium in maturity with a moderately determinate growth habit.

Rilcot Stripper N has some resistance to bacterial blight and moderate resistance to Verticillium wilt.

Rilcot Stripper N is suited for dryland production on the High and Rolling Plains and the Blackland and Grand Prairies; suited for irrigated production on the High and Rolling Plains and the Trans-Pecos regions; suited for narrow row production on all the areas noted above. Variety is well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4020
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 25
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.9 - 4.9

Rilcot Stripper Cala S

Property of Rilcot Seed Company, a Division of Riley Yieldmaster Seed Corp., Littlefield, Texas. Rilcot Stripper Cala S is not a protected variety.

Rilcot Stripper Cala S is a selection out of CA 398, a strain developed by the Texas Agricultural Experiment Station at Lubbock.

Rilcot Stripper Cala S is a compact plant, medium early maturing, close fruiting type and moderately determinate in growth habit.

Rilcot Stripper Cala S shows moderate resistance to bacterial blight and Verticillium wilt and is susceptible for Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High and Rolling Plains and for dryland production only on the Blackland Prairie, Edwards Plateau, Central Basin and Gulf Coast Prairie. Suited for irrigation production only on Trans-Pecos area. Suitable for narrow row production on the High and Rolling Plains. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM

Seed Per Pound: 4020

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): MEDIUM

Staple Length (32nd): 33

Upper Half Mean (UHM): 1.05

Fiber Strength (gm/tex): 25

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 44

Micronaire: 3.4 - 4.8

Rogers GL-6

Property of Rogers Delinted Cottonseed Company, Waco, Texas. Rogers GL-6 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Rogers GL-6 is a glandless variety originally released in 1969.

Rogers GL-6 produces an open, upright plant with medium-sized leaves; short to medium internodes; large flowers and bolls; first fruiting branch usually at seventh node; it is medium in maturity with a determinate growth habit.

Rogers GL-6 has low resistance to bacterial blight and Verticillium wilt.

Rogers GL-6 is suited for dryland production on the High and Rolling Plains, Blackland and Grand Prairies, Edwards Plateau and Central Basin; suited for irrigated production on High and Rolling Plains and Trans-Pecos regions; narrow row production on all areas listed above. Variety is suitable for stripper and spindle picker harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3660
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.03
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 4.0 - 4.5

Rogers GL-10

Property of Rogers Delinted Cottonseed Company, Waco, Texas. Application has been made for plant variety protection.

Rogers GL-10 was selected from the progeny of crosses involving lines developed by the Texas Agricultural Experiment Station and glandless lines from Ferris Watson Seed Company.

Rogers GL-10 produces upright plants with large leaves and few vegetative branches; plants are slightly shorter than those of Rogers GL-6; first fruiting branch usually occurs at sixth node; it is medium in maturity with a determinate growth habit.

Rogers GL-10 has high resistance to bacterial blight, poor to moderate resistance to Verticillium wilt and poor resistance to Fusarium wilt-root knot nematode complex.

Rogers GL-10 is suited for irrigated and dryland production in narrow row and conventional row patterns on the High and Rolling Plains and for dryland production in the Blackland and Grand Prairies. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4325
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.06
Fiber Strength (gm/tex): 20
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.8 - 4.2

Southwest 2

Property of Southwest Seed and Delinting Company, Brownfield, Texas. Southwest 2 is not a protected variety.

Southwest 2 is a selection from a cross of an experimental line developed by the Texas Agricultural Experiment Station and a nematode resistant variety.

Southwest 2 produces a plant of medium height with few vegetative branches. Sets fruit well above the ground; is early in maturity and has a determinate growth habit.

Southwest 2 has moderate resistance to bacterial blight, Fusarium wilt-root knot nematode complex and Verticillium wilt.

Southwest 2 is well adapted for irrigated and dryland production on the Texas High Plains. It has not been tested in other areas of the state. Suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 4285
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.03
Fiber Strength (gm/tex): 20
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.5 - 4.8

Stripper 31

Property of Growers Seed Association, Lubbock, Texas. Stripper 31 is not a protected variety.

Stripper 31 developed from the following varieties and strains (Roldo Rowden #5, Empire WR, Roldo Rowden #27, BBR 4-1-3-6B).

Stripper 31 has intermediate plant height and is not as compact as Stripper 31-A, has few vegetative branches; pubescence intermediate; medium-sized leaves; plant growth rigid and upright. Fruiting rapid; intermediate length internodes. Early maturing and moderately determinate.

Stripper 31 has moderate resistance to bacterial blight and Verticillium wilt but is susceptible to Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High and Rolling Plains in regular or narrow row widths. Usually has higher micronaire than many other varieties when grown under adverse conditions. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: LARGE
Seed Per Pound: 3950
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 32
Upper Half Mean (UHM): .95
Fiber Strength (gm/tex): 20
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 3.9 - 4.5

Stripper 31A

Property of Growers Seed Association, Lubbock, Texas. Stripper 31A is a protected variety; seed is to be sold by variety name only as a class of certified seed.

Stripper 31A developed from the following varieties and strains (Roldo Rowden #5, Empire WR, Roldo Rowden #27, BBR 4-1-36B₂).

Stripper 31A is intermediate in size, compact with few vegetative branches, pubescence intermediate; medium-sized leaves and plant growth rigid and upright. Short internodes; close fruiting. Early maturity and moderately determinate.

Stripper 31A has moderate resistance to bacterial blight and Verticillium wilt but is susceptible to Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High and Rolling Plains in regular or narrow row widths. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4050
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 30
Upper Half Mean (UHM): .96
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.0 - 4.5

Stripper 32

Property of Plains Seed Company, Inc., Lubbock, Texas. Stripper 32 is a protected variety; seed to be sold by variety name only.

Stripper 32 was developed from an experimental variety obtained from Arkansas Experiment Station. Further selections were made in 1969 in the Lubbock area.

Stripper 32 is intermediate in size with dense foliage. Normal fruiting habit with first fruiting branch usually at the seventh node. Early maturing and moderately determinate.

Stripper 32 shows moderate resistance to Verticillium wilt but poor resistance to bacterial blight and Fusarium wilt-root knot nematode complex.

Recommended for dryland and irrigated production on the High and Rolling Plains. Suitable for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM

Seed Per Pound: 3465

Boll Type: STORM RESISTANT

Lint Turnout (% seed cotton): MEDIUM

Staple Length (32nd): 32

Upper Half Mean (UHM): 1.02

Fiber Strength (gm/tex): 22

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48

Micronaire: 3.5 - 4.0

TAMCOT 788

Developed by the Texas Agricultural Experiment Station in Lubbock. TAMCOT 788 is not a protected variety.

TAMCOT 788 originated from a cross involving (CA 398 X P1874). CA 398 is a complex cross involving Acala, Blightmaster and Macha. P1874 is an Acala strain developed by the Texas Agricultural Experiment Station at El Paso.

This variety has an upright, narrow growth habit with short fruiting branches; it produces a long, strong but relatively fine fiber; it is early to medium maturity and moderately determinate.

TAMCOT 788 has moderate resistance to bacterial blight and Verticillium wilt and moderate to poor resistance to Fusarium wilt-root knot nematode complex.

TAMCOT 788 is best adapted to dryland and irrigated production on the Texas High Plains. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM

Seed Per Pound: 3950

Boll Type: STORMPROOF

Lint Turnout (% seed cotton): HIGH

Staple Length (32nd): 33

Upper Half Mean (UHM): 1.07

Fiber Strength (gm/tex): 26

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48

Micronaire: 3.4 - 4.7

TAMCOT SP-37

Developed by Texas Agricultural Experiment Station. TAMCOT SP-37 is a protected variety; seed sold by variety name only as a class of certified seed (Title V).

TAMCOT SP-37 is a multi-adversity, resistant (MAR) variety derived from a complex cross [(K4808-5 (182) D X Blightmaster X 39-11-20)] X [K4808-5 (1&2) A X PAY M 54-M-10503)]. Strains with similar characteristics were designed and bulked to form TAMCOT SP-21, SP-23 and SP-37. The "SP" indicated stormproof characteristics from parental material.

This variety has a pyramid-shaped plant type; few vegetative branches, intermediate foliage with prominent fruiting branches. Hairy type plant. The vegetative growth is determinate, but fruiting is indeterminate. Small bolls along with early maturing type.

TAMCOT SP-37 has high resistance to bacterial blight with moderate tolerance to Verticillium and Fusarium wilt. Exhibits root rot and seedling disease escape.

Widely grown over the state. Adapted for stripper and picker harvest.

Fine fiber-micronaire value at low end of premium range often encountered.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4410
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.07
Fiber Strength (gm/tex): 21
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 3.8 - 4.0

TAMCOT SP-21

Developed by Texas Agricultural Experiment Station. TAMCOT SP-21 is a protected variety; seed to be sold by variety name only as a class of certified seed.

TAMCOT SP-21 is a multi-adversity, resistant (MAR) variety derived from a complex cross [(K4808-5 (182) D X Blightmaster X 39-11-20)] X [K4808-5 (1&2)A X Pay M 54-M-105-3)]. Strains with similar characteristics were designated and bulked to form TAMCOT SP-21, SP-23 and SP-37. The "SP" indicates stormproof characteristics from parental material.

This variety has few vegetative branches, long fruiting branches and intermediate leafiness with open plant type. The variety is glabrous (no hairs). In the absence of fleahoppers, the vegetative growth habit is determinate while fruiting habit is indeterminant and open.

TAMCOT SP-21 has resistance to Verticillium and Fusarium wilt including root knot nematode. Also has high resistance to bacterial blight and shows moderate escape to root rot and seedling disease.

This variety is grown in several areas across the state. It performs better in areas where wilts and nematodes are a problem. Adapted for stripper and picker harvest. Better clean-up at gin and improved grades attributed to glabrous trait.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4130
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.07
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49
Micronaire: 4.0 - 4.2

TAMCOT SP-23

Developed by Texas Agricultural Experiment Station. TAMCOT SP-23 is a protected variety; seed to be sold by variety name only as a class of certified seed.

TAMCOT SP-23 is a multi-adversity, resistant (MAR) variety derived from a complex cross [(K4808-5 (182) D X Blightmaster X 39-11-20)] X [K4808-5 (1+2)A X PAY M 54-M-105-3)]. Strains with similar characteristics were designated and bulked to form earlier released TAMCOT SP-21 and TAMCOT SP-37. The "SP" indicates stormproof characteristics from parental material.

This variety has an open, indeterminant fruiting branch with intermediate leafiness. Fruiting habit is open with small bolls and early maturity.

TAMCOT SP-23 has high resistance to bacterial blight and Fusarium wilt-nematode complex with moderate resistance to Verticillium wilt. Provides moderate escape from root rot.

This variety is not as widely grown as sister strains (TAMCOT SP-21, TAMCOT SP-37) but has performed well in dryland and irrigated production across the state. Adapted for stripper and picker harvest.

Micronaire value is lower in the High Plains region.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL

Seed Per Pound: 4130

Boll Type: STORM RESISTANT

Lint Turnout (% seed cotton): HIGH

Staple Length (32nd): 32

Upper Half Mean (UHM): 1.01

Fiber Strength (gm/tex): 23

Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 49

Micronaire: 3.8 - 4.2

TAMCOT SP-37H

Developed by the Texas Agricultural Experiment Station. TAMCOT SP-37H (temporary designated TX-CAMD-H) is a protected variety; seed to be sold by variety name only as a class of certified seed.

TAMCOT SP-37H is closely related to earlier released TAMCOT SP-37 (both hairy), but the plants are shorter and more compact than SP-37. Vegetative growth (like TAMCOT SP-37) is determinate, but fruiting is indeterminate. Earliness is similar to TAMCOT SP-37.

TAMCOT SP-37H is resistant to Fusarium wilt-root knot nematode complex with intermediate resistance to Verticillium wilt. Exhibits root rot and seedling disease escape. Has high resistance to bacterial blight.

Adapted for most production regions in Texas and can be grown where TAMCOT SP-37 is recommended currently. Adapted for stripper and picker harvest.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4410
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 3.9 - 4.2

TAMCOT SP-21S

Developed by the Texas Agricultural Experiment Station. TAMCOT SP-21S (temporary designation TX-CAMD-S) is a protected variety; seed to be sold by variety name only as a class of certified seed.

TAMCOT SP-21S is related to both earlier released TAMCOT SP-21 and TAMCOT SP-37 but compares more closely with TAMCOT SP-21 because both are glabrous (non-hairy) for all plant parts. Few vegetative branches, long fruiting branches and intermediate leafiness with open plant type. In the absence of fleahoppers, the vegetative growth habit is determinate while fruiting habit is indeterminate and open.

This variety has resistance to Verticillium wilt and high resistance to Fusarium wilt-nematode complex and bacterial blight; offers some escape from root rot and seedling disease.

As more seed become available, it will be widely grown over the state. Performs well in areas where wilt and nematodes are a problem. Adapted to stripper and picker harvest. Improved clean-up during ginning and higher grades attributed to glabrous trait.

Glabrous plant parts more effective than TAMCOT SP-21 for reducing losses from bollworms, tobacco budworms and pick bollworms.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4130
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 21
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 48
Micronaire: 4.0 - 4.2

TAMCOT CAMD-E

Developed by the Texas Agricultural Experiment Station. TAMCOT CAMD-E (temporary designation TX-CAMD-E) is a protected variety; seed to be sold by variety name only as a class of certified seed.

TAMCOT CAMD-E is an early maturity selection out of the TAM-MAR breeding program. This variety compares closely with TAMCOT SP-37 because both are hairy, but plants are shorter and more compact. It has a higher yield potential than TAMCOT SP-37 and Stoneville 213 and is 10 days earlier than TAMCOT SP-37 and 25 days earlier than Stoneville 213.

TAMCOT CAMD-E, like TAMCOT SP-37, has high resistance to eight races of bacterial blight. Also shows resistance to Fusarium wilt-root knot nematode complex but moderate resistance to Verticillium wilt. It has resistance to one of the main seedling pathogens (Rhizoctonia solani) and partial resistance to the root rot pathogen.

Adapted primarily for the Central and South Texas and the High Plains region. Increased use likely will expand the area of adaptation.

Higher yield than TAMCOT SP-37 in presence of damaging population of fleahoppers.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4500
Boll Type: OPEN
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 32
Upper Half Mean (UHM): 1.00
Fiber Strength (gm/tex): 24
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 4.0 - 4.4

TPSA 1633

Property of Texas Planting Seed Association, Bryan, Texas. TPSA 1633 is a protected variety; seed to be sold by variety name only as a class of certified seed.

Varietal background is not given.

This variety is medium height. Fruiting limbs shorter than Delta-type cottons. Fruit is set well above ground. Medium maturity with indeterminate growth habit. Bolls are storm resistant.

TPSA 1633 has poor resistance to Verticillium wilt and Fusarium wilt-root knot nematode complex. Shows moderate resistance to bacterial blight.

TPSA 1633 is suitable for dryland and irrigated production in all regions in the state except the Trans-Pecos region. Suitable for brush stripper or spindle picker.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: ---
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.09 - 1.20
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 3.5 - 4.9

TPSA 9070

Property of Texas Planting Seed Association, Bryan, Texas. TPSA 9070 is not a protected variety.

Varietal background is not given.

This variety is intermediate in plant height with medium length fruiting branches. Growth habit is indeterminate with medium maturity. Bolls are storm resistant.

TPSA 9070 has moderate resistance to bacterial blight, Verticillium wilt and Fusarium wilt-root knot nematode complex.

TPSA 9070 is adapted for dryland or irrigated production along the Gulf Coast Prairie and the Rio Grande Valley. Suitable for brush-type stripper or spindle picker.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: ---
Boll Type: STORM RESISTANT
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.10
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 46
Micronaire: 3.8 - 4.8

Westburn M

Developed by Oklahoma State University. Westburn M is a protected variety; seed to be sold by variety name only as a class of certified seed (Title V). Texas distributor is Bryant Seed and Delinting, Inc., Tahoka, Texas.

Westburn M was derived from a cross between [(IM 2 X 22-3) F₃ 4-1] X Westburn back-crossed to Westburn four times.

This variety is a stormproof stripper type with short fruiting branches and early maturing with intermediate growth habit.

Westburn M has moderate resistance to bacterial blight and to the Fusarium wilt-root knot nematode complex with moderate to poor resistance to Verticillium wilt.

Westburn M is recommended for dryland and irrigated (on Verticillium wilt-free soils) production on the southern High and Rolling Plains. It has not been extensively tested in the other areas of the state. Well suited for stripper harvest.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 3575
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): MEDIUM
Staple Length (32nd): 33
Upper Half Mean (UHM): 1.05
Fiber Strength (gm/tex): 23
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 47
Micronaire: 4.0 - 4.8

Western Stormproof

Property of Von Roeder Seed Farms, Snyder, Texas. Western Stormproof is not a protected variety.

Western Stormproof is a selection from a cross of Western Prolific and Macha.

Western Stormproof produces relatively large plants under high moisture situations; has relatively large leaves, close fruiting habit; has an indeterminate growth habit and is late in maturity.

Western Stormproof is susceptible to bacterial blight and Verticillium wilt and has poor resistance to the Fusarium wilt-root knot nematode complex.

Best adapted for dryland production on the High and Rolling Plains, Edwards Plateau and Central Basin regions. Well suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4380
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 31
Upper Half Mean (UHM): .94
Fiber Strength (gm/tex): 19
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 45
Micronaire: 3.2 - 3.7

Western 44

Property of Von Roeder Seed Farms, Snyder, Texas. Western 44 is a protected variety; seed is to be sold by variety name only as a class of certified seed (Title V).

Western is a selection from a cross of Acala 44 and Western Stormproof.

Western 44 has an indeterminate growth habit and produces a relatively large plant under high moisture situations; slightly shorter and earlier than Western Stormproof; has a close fruiting habit and first bolls are set well off the ground; is a late maturing variety.

Western 44 has poor resistance to bacterial blight and Verticillium wilt and poor to moderate resistance to the Fusarium wilt-root knot nematode complex.

Western 44 is best adapted to dryland production on the High and Rolling Plains, Edwards Plateau and Central Basin regions. Can be grown under irrigation on soils free of Verticillium wilt and when growing season is adequate. Best suited for stripper harvesting.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: MEDIUM
Seed Per Pound: 4585
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 31
Upper Half Mean (UHM): .95
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 43.5
Micronaire: 2.8 - 3.7

Prolific Stormproof

Property of Von Roeder Seed Farms, Snyder, Texas. Prolific Stormproof is a protected variety; seed to be sold by variety name only as a class of certified seed.

Prolific Stormproof was selected from a cross of Western Stormproof and Acala BR2 to improve disease resistance.

Prolific Stormproof is indeterminate in growth habit; develops large size plants under high moisture situation; fruiting fairly close; late maturing.

Prolific Stormproof is susceptible to bacterial blight, Fusarium wilt-root knot nematode complex and Phymatotrichum root rot escape. Also has poor resistance to Verticillium wilt.

Recommended for dryland and irrigated production in the Rolling Plains and Southern counties of the High Plains, Edwards Plateau and Central Basin regions. Can be grown in narrow row pattern. Suitable for harvesting with all types of stripper harvesters.

AVERAGE BOLL SIZE, SEED INDEX, FIBER PROPERTIES. (See definitions on page 14)

Boll Size: SMALL
Seed Per Pound: 4380
Boll Type: STORMPROOF
Lint Turnout (% seed cotton): HIGH
Staple Length (32nd): 31
Upper Half Mean (UHM): _____
Fiber Strength (gm/tex): 22
Uniformity Ratio ($\frac{50\% \text{ span}}{2.5\% \text{ span}}$): 43
Micronaire: 3.0 - 3.7

VARIETIES WITH HIGH STRENGTH FIBER

The quality of fiber produced by a variety can affect profits greatly. Grade, staple and micronaire are the fiber parameters most often associated with quality. Another quality factor is fiber strength. Although strength or "Pressley" does not appear on the "green card," it is important because open-end spinning mills are demanding more of this type fiber. A number of high-strength varieties are adapted to growing conditions in the state. A few of these are listed below.

Very high strength (90,000 psi; 26 gm/tex)	High strength (85,000-90,000 psi; 24-25 gm/tex)	Older high strength varieties**
cala B3080	Deltapine SR-1	Dunn 56C
cala 1517 BR-1	Dunn 118	Lankart 3840
cala 1517E-1	GSA-75*	Stroman 254
cala 1517-70	Lambright X-15-4	
lanco 3363	Paymaster 111-A	
dunn 119	Paymaster 266	
lor-Cot M-72*	Rilcot Stripper-Cala S	
regg 35W	Quapaw	
lor-Cot M-74*	Rilcot Stripper N	
TAMCOT 788	TAMCOT-CAMD-E	

*Tested only 1 to 2 years.

**Generally not available as certified seed.

GLANDLESS COTTON VARIETIES

High gossypol content is undesirable in cotton because of its toxicity to nonruminant animals such as swine and poultry. Glandless cotton varieties are essentially free of gossypol. Considerable work has been devoted to incorporating characteristics for low gossypol content into commercial varieties. Several varieties are available that yield equally as well as glanded varieties. Unfortunately, varieties with low gossypol content are susceptible to certain species of cotton pests and to certain herbicides (i.e., Caparol[®]). Indications are that these problems can be overcome and considerable research activity is being directed in these areas. Glandless varieties listed below have been included in research and demonstration programs. Seeds of these varieties are available commercially.

Glandless Cotton Varieties

Gregg 35W	Lambright GL-N
Gregg 35XL	Lockett 22
Gregg 45E	Rogers GL-6
Gregg 45M	Paymaster 784
Lambright GL-4	
Lambright GL-5	

COTTON VARIETIES

Specific Information Not Available

Below is a list of cotton varieties currently on the market for which detailed information was not available. Hopefully more detailed information can be given on some of these varieties in future revisions.

Coker 304	Mor-Cot M-72
Coker 348	Mor-Cot M-74
Coker 6101	Mor-Cot 1141
Dawson E-10	Mor-Cot 709
Dunn 219	Mor-Cot M-70-A
Dunn 224	Stoneville 213
Gregg 35XL	Stoneville 256
Gregg 45M	Stoneville 825
Macha 11T1	Anton SP-2121
Macha 1100	ESP 73
Macha 700	Campbell 3772
Macha WR-2	Campbell 77
	Vail 7

COTTONSEED COMPANIES, THEIR REPRESENTATIVES
AND
OFFICIAL VARIETAL DESIGNATIONS

Company	Representative	Variety
Acco Seed Company Box 1630 Plainview, Texas 79072 (806) 293-2628	Ronnie Morris	Paymaster 145 Paymaster 266 Paymaster 303 Paymaster 784 Paymaster 785 Paymaster 792
Agronomics, Incorporated Box 16051 Lubbock, Texas 79490 (806) 799-5204	Bob Anthony	Earlycot 31 Earlycot 32 Earlycot 32A Earlycot WR
Brownfield Seed and Delinting Company Box 608 Brownfield, Texas 79316 (806) 637-6282	Bob Dumas	Highland QM52 Quapaw*
Bryant Seed Delinting, Incorporated Box 1288 Tahoka, Texas 79373 (806) 998-4497	Mason Hawkins Burt Bryant	Ranger 55 Westburn M* RV 64 RV 12
Coker Pedigreed Seed Company Route 1, Box 150 Lubbock, Texas 79401 (806) 762-0832	Lynn McDonald	Coker 304 Coker 310 Coker 312 Coker 348**
Custom Ag Services, Incorporated Box 97 Loraine, Texas 79532 (915) 737-2274	Dr. David Bush	Cascot B-2 Cascot L-7 Cascot BR-1
Dawson County Seed Company P. O. Drawer E Lamesa, Texas 79331 (806) 872-2772	Lee Roy Colgan	Blightmaster A-5 Dawson B-25 Dawson V-14 Lamesa 5 Lamesa 8
Delta and Pine Land Company Route 1, Box 110 Lubbock, Texas 79401 (806) 762-0534	J. N. Marks	Deltapine SR-2 Deltapine SR-4 Deltapine SR-5 Deltapine 16** Deltapine 55 Deltapine 61 Deltapine 70



Dunn Seed Farms,
Incorporated
Route 4, Box 431
Seminole, Texas 79360
(915) 758-3628

Rex Dunn
Jim Dunn

Dunn 118
Dunn 119
Dunn 120
Dunn 219
Dunn 224

G&P Seed Company
Box 245
Aquilla, Texas 76622
(817) 694-2275

Joe Snapp

G&P 3774
G&P 3755

G&P Seed Company
Route 3, Box 181
Anson, Texas 79501
(915) 823-3159

Bill McDuff

Gregg Seed Farms
2700 Lockney Highway
Plainview, Texas 79072
(806) 296-7902

Herman Gregg
Weldon Gregg

Gregg 35 X L
Gregg 45M

Growers Seed Association
Box 1656
Lubbock, Texas 79408
(806) 747-4125

George Babcock

Blanco 3363
Growers GSA-71
Growers GSA-74
Growers GSA-75
Growers GSA-78
Stripper 31
Stripper 31A

Hurdt Quality Seeds
Route 5, Box 171-R
Lubbock, Texas 79407
(806) 792-0653

John Hurdt

Hurdt 570
Hurdt 580

Levelland Delinting,
Incorporated
P. O. Box 408
Levelland, Texas 79336
(806) 894-4901

Buz Poage

All-Tex Wiltmaster 569

Macha Seed Farms
Box 248
Littlefield, Texas 79339
(806) 385-6094

Emil Macha

Macha 11-T-1
Macha 700
Macha 1100
Macha WR-2

Mor-Cot Seed, Incorporated
100 East 24th
Plainview, Texas 79072
(806) 293-7343

Caril McLain

Mor-Cot M-72
Mor-Cot M-74
Mor-Cot M-70A
Mor-Cot 709
Mor-Cot 1141

Northern Star Seed Farm
3701 Avenue A
Lubbock, Texas 79404
(806) 744-2308

Wayne Plowman

Northern Star 5
Northern Star R4-A
Northern Star 998
Lambright GL-4
Lambright GL-5
Lambright GL-N
Lambright GL-F
Lambright X-15-4

Northrup King Company
Box 186A
New Deal, Texas 79350
(806) 746-5110

Floyd Boone

McNair 220
McNair 307
McNair 308
McNair 511
McNair 612

Pioneer Hi-Bred International
Box 788
Plainview, Texas 79072
(806) 293-5231

Jim Schrib

Lankart 57
Lankart LX-571
Lankart 611
Lockett 77
Lockett BXL
Pioneer Brand PR-68

Plains Seed and Delinting
Company
Box 5185
Lubbock, Texas 79417
(806) 765-8844

John Sanderson

Stripper 32

Rilcot Seed Company
Box 1009
Littlefield, Texas 79339
(806) 385-5401

Buster Owens

Rilcot 90
Rilcot 90-A
Rilcot 95
Rilcot Stripper N
Rilcot Stripper Cala S
Rilcot Bale Buster-1

Southwest Seed and Delinting
Box 1185
Lamesa, Texas 79331
(806) 872-8896

John Grissom
Don Hill

SWS 2

Stoneville Pedigreed Seed
Company
326 East 40th
Lubbock, Texas 79404
(806) 762-3290

Verlin Boeder

Stoneville 213
Stoneville 256
Stoneville 825

Texas Planting Seed
Association
P. O. Box 713
Bryan, Texas 77801
(713) 823-8053

Ed McFarland

TPSA 9070
TPSA 1633

Von Roeder Seed Farms
Route 1, Box 80
Snyder, Texas 79549
(915) 573-3341

David Kattes

Western 44
Western Stormproof
Western Prolific

*Company does not own this variety, only serves as distributor.
**Variety may have been discontinued.

BIBLIOGRAPHY

- Abernathy, J. R. and J. W. Kneeling. 1977. Rotational crop response to soil levels of trifluralin, profluralin, atrazine and propazine. Southern Weed Science Society Proceedings, 29:60.
- Caruthen, C. G., J. W. Kneeling and J. R. Abernathy. 1978. Rotational crop response to PPM determination of herbicides. Southern Weed Science Society Proceedings, 30:58.
- Ray, L. L. et al. 1972-1977. Cotton variety tests in the Texas High Plains. Texas Agricultural Experiment Station Technical Reports from the Texas A&M University Agricultural Research and Extension Center at Lubbock.
- Official Journal of the Plant Variety Protection Office, USDA-ARS. Volume 1 to 7.
- Summary of Cotton Fiber and Proceeding Test Results-Crop of 1971, USDA, Agricultural Marketing Service, Cotton Division, pp. 111-120.

Educational programs conducted by the Texas Agricultural Extension Service serve people of all ages regardless of socio-economic level, race, color, sex, religion or national origin.

Cooperative Extension Work in Agriculture and Home Economics, The Texas A&M University System and the United States Department of Agriculture cooperating. Distributed in furtherance of the Acts of Congress of May 8, 1914, as amended, and June 30, 1914.
15M--7-80