

TITLE:

Dryland Roundup Ready Variety Trial at Lamesa, Texas, 2003.

COOPERATOR:

Brad Boyd

AUTHORS:

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MATERIALS AND METHODS:

Varieties:	AFD 3511R, All-Tex Atlas RR, Bayer FM989RR, Paymaster 2326RR, Paymaster 5415RR, Stoneville 2454RR, Stoneville 4793R and Stoneville 5303R
Experimental design:	Randomized complete block with four replications
Plot size:	4 rows by 1330 feet
Planting Date:	June 12
Planting Pattern:	Solid 40"
Harvest:	Stripper

RESULTS AND DISCUSSION:

See Tables 1 and 2.

ACKNOWLEDGMENTS:

The authors thank Mary Flores for her field assistance and Brad Boyd for allowing the project to be conducted on his farm.

Table 1. Harvest results from a dryland roundup ready variety test at AG-CARES, Lamesa, TX, 2003.

	Raw Wt. Pounds	% Lint	% Seed	Lint Wt. Pounds	Yield/A	Loan	Lint \$/A
Bayer FM989RR	626.3 a	26.60 ab	40.10 abc	166.5 a	409.0 a	0.5213 a	213.465 a
Paymaster 5414RR	628.8 a	24.10 cd	39.50 bcd	151.3 ab	371.8 ab	0.5251 a	194.017 ab
Stoneville 4793R	581.3 a	24.93 a-d	35.03 e	143.8 bc	353.5 bc	0.4877 abc	172.845 bc
Stoneville 5303R	568.8 a	24.63 bcd	39.07 cd	140.3 bcd	344.5 bcd	0.5026 ab	172.460 bc
All-Tex Atlas RR	495.0 b	26.73 a	41.17 ab	132.5 cde	326.0 cde	0.4876 abc	158.765 cd
Paymaster 2326RR	472.5 b	25.90 abc	41.78 a	122.3 def	300.3 def	0.4630 bc	139.445 de
Stoneville 2454RR	452.5 b	26.17 ab	40.70 abc	118.3 ef	291.0 ef	0.4763 bc	138.600 de
AFD 3511R	483.8 b	23.45 d	37.97 d	113.3 f	278.3 f	0.4568 c	127.077 e
LSD (P=.05)	68.40	1.984	2.049	18.11	44.69	0.0444	21.8604
Standard Deviation	46.50	1.349	1.393	12.31	30.39	0.0302	14.8631
CV	8.63	5.33	3.53	9.05	9.09	6.16	9.03

Means followed by same letter do not significantly differ (P-.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL

Table 2. HVI fiber property results from a dryland roundup ready variety test at AG-CARES, Lamesa, TX, 2003.

	Mic	Length	Unif.	Elon.	Strength	Leaf	Rd	+b	CG
Bayer FM989RR	4.95 ab	1.013 abc	81.60 a	6.95 abc	27.25 c	1.3 a	76.50 cd	8.78 a	31.0 ab
Paymaster 5414RR	4.75 b	1.063 a	81.43 a	7.45 a	28.87 b	1.0a	78.53 ab	8.22 bcd	26.0 bc
Stoneville 4793R	5.07 a	0.980 c	81.32 a	7.20 ab	27.88 bc	1.0 a	76.45 cd	8.50 ab	31.0 ab
Stoneville 5303R	4.90 ab	0.980 c	80.73 a	6.70 bc	28.33 bc	1.0 a	76.20 cd	8.45 abc	31.0 ab
All-Tex Atlas RR	5.07 a	1.000 bc	81.38 a	6.50 cd	27.60 bc	1.5 a	75.95 d	8.05 d	33.5 a
Paymaster 2326RR	4.93 ab	0.998 bc	81.88 a	6.45 cd	28.50 bc	1.0 a	77.43 bc	8.08 cd	31.0 ab
Stoneville 2454RR	4.92 ab	1.033 ab	82.35 a	6.02 de	30.50 a	1.0 a	78.22 ab	8.48 ab	28.5 abc
AFD 3511R	4.48 c	1.047 ab	81.20 a	5.47 e	30.60 a	1.0 a	78.78 a	8.30 bcd	23.5 c
LSD (P=.05)	0.210	0.0500	0.912	0.600	1.481	0.41	1.347	0.378	5.23
Standard Deviation	0.143	0.0340	0.620	0.408	1.007	0.28	0.916	0.257	3.56
CV	2.93	3.35	0.76	6.19	3.51	25.68	1.19	3.07	12.08

Means followed by same letter do not significantly differ (P-.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL