

TEXAS AGRICULTURAL EXPERIMENT STATION
SORGHUM BREEDING PROGRAM

| PLOT | SOURCE ENTRY | PEDIGREE | TOT | | SD | ST | PLT | LF | LDR |
|------|----------------|---------------------------|-----|----|----|----|-----|----|-----|
| | | | PLT | SM | | | | | |
| 217 | 89C8213-8212-1 | A. 8922 | | | | | | | |
| 218 | 89Q-1 | BIG HEAD TALL STRIGA RES. | | | | | | | |
| 219 | 89Q-2 | S35(SUDAN) STRIGA RES. | | | | | | | |
| 220 | 89Q-4 | DABAR STRIGA RES. | | | | | | | |
| 221 | 89Q-5 | 159830 STRIGA RES. | | | | | | | |
| 222 | 89Q-6 | SRN-13 STRIGA RES | | | | | | | |
| 223 | 89Q-7 | S35(NIGER) STRIGA RES. | | | | | | | |
| 224 | 89Q-8 | KOLA LANDRACE STRIGA RES. | | | | | | | |
| 225 | 89Q-9 | 54R | | | | | | | |
| 226 | 89Q-10 | 62R | | | | | | | |
| 227 | 89Q-11 | 46R | | | | | | | |
| 228 | 89Q-12 | ✓ 510R | | | | | | | |
| 229 | 89Q-13 | 509R | | | | | | | |
| 230 | 89Q-14 | ✓ 503R | | | | | | | |
| 231 | 89Q-15 | 7R | | | | | | | |
| 232 | 89Q-16 | 19R | | | | | | | |
| 233 | 89Q-17 | 58R | | | | | | | |
| 234 | 89Q-18 | 165R | | | | | | | |
| 235 | 89Q-19 | ✓ 42R | | | | | | | |
| 236 | 89Q-20 | ✓ 501R | | | | | | | |
| 237 | 89Q-21 | ✓ 13R | | | | | | | |
| 238 | 89Q-22 | ✓ EFC37M | | | | | | | |
| 239 | 89Q-24 | PS202B | | | | | | | |
| 240 | 87C242 | 10 ⊙ EBA3 | | | | | | | |
| 241 | 87C242 | EBA3 | | | | | | | |
| 242 | 87C242 | EBA3 | | | | | | | |
| 243 | 87C242 | EBA3 | | | | | | | |

St
Striga Resistance
8 strains
all

new lines for SA
⊙ 10/10
x 5-10 5 females

- 0. Se
- 1.
- 2. Op
- 3.
- 4. Bu
- 5. Ma
- 6. St
- 7. F
- 8. F
- 9. F
- SE

⊙ 10
x as much
as possible
to attach!
65!

Rows 225 to 239 - describe for me, seed color/plant
desirability, disease, yield pot - TA/FE etc - rate height
and early tan/white - 17!

| SK | EX | DAYS | PLT | SD | PAINT | DES | FCO | UNIF | NOTES | SEL | PLOT |
|-----|-----|------|-----|-----|-------|-----|------|------|--------------------------|-----|------|
| | | | COL | COL | COL | SUP | ROT | | | | |
| 18 | 3.5 | RP | RT | 3.5 | 2.2 | 4.4 | | | 0.5 none of that (Bm up) | | 217 |
| 19 | 3.5 | R | R | 3.8 | 2.5 | 7.0 | | | 0.5 0.5 glaucous (Bm up) | | 218 |
| 1 | 3.0 | T | WT | 3.0 | 2.0 | 6.5 | | | 0.5 0.5 glaucous (Bm up) | | 219 |
| 1 | 4.0 | RP | WT | 4.5 | 2.8 | 5.0 | | | 0.5 0.5 glaucous (Bm up) | | 220 |
| 1 | 4.0 | R | WT | 4.0 | 4.0 | 7.2 | | | 0.5 0.5 glaucous (Bm up) | | 221 |
| 1 | 3.0 | T | WT | 3.0 | 1.8 | 6.9 | | | 0.5 0.5 glaucous (Bm up) | | 222 |
| 1 | 3.5 | T | WT | 3.5 | 2.0 | 6.4 | | | 0.5 0.5 glaucous (Bm up) | | 223 |
| 1 | 4.5 | P | W | 4.0 | 2.0 | 6.9 | | | 0.5 0.5 glaucous (Bm up) | | 224 |
| 1 | 4.5 | P | R | 3.8 | 2.8 | 7.6 | 1.0 | | 0.5 0.5 glaucous (Bm up) | | 225 |
| 1 | 3.5 | P | R | 2.8 | 2.2 | 4.2 | 1.0 | | 0.5 0.5 glaucous (Bm up) | | 226 |
| 1 | 4.0 | P | RT | 3.5 | 2.5 | 4.0 | 1.5 | | 0.5 0.5 glaucous (Bm up) | | 227 |
| 1 | 3.0 | T | WT | 2.8 | 2.1 | 4.2 | 1.8 | | 0.5 0.5 glaucous (Bm up) | | 228 |
| 2.0 | 3.5 | T | WT | 3.5 | 2.4 | 4.8 | 2.5 | | 0.5 0.5 glaucous (Bm up) | | 229 |
| 1.5 | 3.5 | T | WT | 3.0 | 2.0 | 4.8 | 2.5 | | 0.5 0.5 glaucous (Bm up) | | 230 |
| 4.5 | 2.0 | P | W | 4.8 | 3.0 | 3.4 | 1.0 | | 0.5 0.5 glaucous (Bm up) | | 231 |
| - | - | - | - | - | - | - | - | | | | 232 |
| 5.0 | 3.0 | R | WT | 2.8 | 2.8 | 8.8 | 1.3 | | 0.5 0.5 glaucous (Bm up) | | 233 |
| 1.5 | 4.0 | PR | RT | 3.5 | 2.5 | 5.2 | 3.5 | | 0.5 0.5 glaucous (Bm up) | | 234 |
| 1 | 2.5 | T | WT | 2.5 | 2.1 | 3.9 | 1.2 | | 0.5 0.5 glaucous (Bm up) | | 235 |
| 2.4 | 1.2 | T | WT | 1.5 | 1.9 | 4.8 | 1.05 | | 0.5 0.5 glaucous (Bm up) | | 236 |
| 3.0 | 2.9 | T | WT | 2.6 | 1.9 | 4.4 | 1.2 | | 0.5 0.5 glaucous (Bm up) | | 237 |
| 2.0 | 2.5 | P | WT | 2.3 | 1.9 | 4.2 | 1.0 | | 0.5 0.5 glaucous (Bm up) | | 238 |
| 1 | 4.5 | P | R | 4.0 | 3.5 | 5.2 | 1.0 | | 0.5 0.5 glaucous (Bm up) | | 239 |
| 1.5 | 2.5 | R | WT | 2.5 | 2.0 | 7.0 | 1.0 | | 0.5 0.5 glaucous (Bm up) | | 240 |
| 1.5 | 2.5 | | | | | | | | | | 241 |
| 1.5 | 2.5 | | | | | | | | | | 242 |
| 1.5 | 2.5 | | | | | | | | | | 243 |

C.H. 8.9.91
C:

rows 225 to 239 - 10/10

10

TEXAS AGRICULTURAL EXPERIMENT STATION
SORGHUM BREEDING PROGRAM

| PLOT | SOURCE ENTRY | PEDIGREE | TOT | | SD | ST | PLT | LF | LDR |
|------|--------------|---|-----|----|----|----|-----|----|-----|
| | | | PLT | SH | | | | | |
| 271 | 90L106-1 | ((R3338KAY*(TX430*77C51)-1-1-5-3)-C1-B1-B1-T3 | | | | | | | |
| 272 | 90L106-2 | ((R3338KAY*(TX430*77C51)-1-1-5-3)-C1-B1-B1-T3 | | | | | | | |
| 273 | 90L106-2 | ((R3338KAY*(TX430*77C51)-1-1-5-3)-C1-B1-B1-T3 | | | | | | | |
| 274 | 90L106-3 | ((R3338KAY*(TX430*77C51)-1-1-5-3)-C1-B1-B1-T3 | | | | | | | |
| 275 | 90L106-3 | ((R3338KAY*(TX430*77C51)-1-1-5-3)-C1-B1-B1-T3 | | | | | | | |
| 276 | FRM-83 | R-88-4 | | | | | | | |
| 277 | 88143 | SC328-8 <i>Ag. Cal. EBR-RLi</i> | | | | | | | |
| 278 | 89T49 | SC328-8 | | | | | | | |
| 279 | 89C130 | SC599-11E | | | | | | | |
| 280 | 89C130 | SC599-11E | | | | | | | |
| 281 | 89C182 | VG153 | | | | | | | |
| 282 | 89C182 | VG153 | | | | | | | |
| 283 | 89C182 | VG153 | | | | | | | |
| 284 | 89C182 | VG153 | | | | | | | |
| 285 | 89C244 | EBA3 | | | | | | | |
| 286 | 89C244 | EBA3 | | | | | | | |
| 287 | 89C244 | EBA3 | | | | | | | |
| 288 | 87C294 | SC93-14E | | | | | | | |
| 289 | 88C1060 | SC559-14E | | | | | | | |
| 290 | 88C984 | SC370-14E | | | | | | | |
| 291 | 88C1003 | SC135-14E | | | | | | | |
| 292 | 87C175 | SC170-14E | | | | | | | |
| 293 | 89T102 | SC175-14E | | | | | | | |
| 294 | 88C1002 | SC330-14E | | | | | | | |
| 295 | 88C993 | SC33-14E | | | | | | | |
| 296 | 90C8987 | (TX2765*EBA3)-B2-13-C2-18K | | | | | | | |
| 297 | 90C8987 | (TX2765*EBA3)-B2-13-C2-18K | | | | | | | |

*Two way - 3's
Purcure*

Truck

*Planted from
x*

*Water for lines
@*

5 P's / row
all possible crosses to ATx631, AAq34, A155

0. Se
1.
2. O
3.
4. B
5. M
6. S
7. T
8. T
9. T
S

| SEX | AGE | PLT | SD | COM | DES | HT | UNIF | NOTES | SEL | PLOT |
|-----|-----|-----|-----|-----|-----|-----|------|-----------------|----------|-------|
| WAT | COL | COL | PLP | PLP | PLT | RET | RET | | X ~ best | Plant |
| 3.5 | 3.0 | T | W | 2.1 | 1.8 | 5.6 | 1.2 | X-2-3 | 3.5 | 271 |
| 2.0 | 2.0 | T | W | 2.1 | 1.8 | 5.6 | 1.2 | X-1-2 | 3.5 | 272 |
| 2.0 | 2.0 | T | W | 2.1 | 1.8 | 5.6 | 1.2 | X-1-2-3 | 3.5 | 273 |
| 2.0 | 2.0 | T | W | 2.5 | 1.9 | 4.4 | 1.5 | X-2 | 3.5 | 274 |
| 3.0 | 4.9 | T | RA | 5.0 | 3.9 | 3.6 | 1.0 | RA 50 39 36 1.0 | 3.5 | 275 |
| 1.5 | 1.0 | P | W | 1.8 | 3.2 | 1.0 | | RA 111 WT | 3.5 | 277 |
| 3.0 | 4.5 | P | W | 4.2 | 3.4 | 1.0 | | RA 111 WT | 3.5 | 278 |
| 3.5 | 1.0 | T | W | 2.8 | 1.9 | 8.8 | 1.0 | RA 111 WT | 3.5 | 281 |
| 3.0 | 2.0 | R | Lm | 3.8 | 3.0 | 7.2 | 1.0 | RA 111 WT | 3.5 | 285 |
| 4.5 | 7.0 | T | R | 5.0 | 4.0 | 4.4 | 1.0 | RA 111 WT | 3.5 | 288 |
| 3.0 | 3.2 | P | R | 3.5 | 2.1 | 3.0 | 1.0 | RA 111 WT | 3.5 | 289 |
| 3.0 | 3.0 | R | W | 5.0 | 3.5 | 4.6 | 1.0 | RA 111 WT | 3.5 | 290 |
| 3.0 | 3.0 | R | W | 5.0 | 3.2 | 3.2 | 1.0 | RA 111 WT | 3.5 | 291 |
| 3.0 | 3.0 | R | W | 3.2 | 2.1 | 3.8 | 1.5 | RA 111 WT | 3.5 | 292 |
| 3.0 | 3.0 | P | R | 3.8 | 2.3 | 4.4 | 1.0 | RA 111 WT | 3.5 | 293 |
| 1.5 | 1.5 | T | W | 3.5 | 1.9 | 6.0 | 1.0 | RA 111 WT | 3.5 | 294 |
| 3.0 | 4.8 | R | R | 4.9 | 3.0 | 4.5 | 1.0 | RA 111 WT | 3.5 | 295 |
| 3.0 | 3.0 | T | RUL | | | | | RA 111 WT | 3.5 | 296 |
| 3.0 | 3.0 | T | R | 5.0 | 3.0 | 7.2 | 1.0 | RA 111 WT | 3.5 | 297 |

One 4.5 gals

Q-28

done

40

1. Cross 8997 & Hf Ma lines for 433 crosses
2. Make H's for genetic studies
3. Make H's for other Sudan grass types (311-322)

*check Pro PR Books
(was wrong sometimes
before)*

3/20

9/1/2
9/1/3
9/1/3
9/1/2

OK 1

OK 1

OK 1

OK 1

OK 1

OK 1

OK 1

OK 1

OK 1

OK 1