



2014 Lubbock Limited Irrigated Grain Sorghum Performance Test, Texas A&M AgriLife Research & Extension Center, Lubbock, Texas

| Hybrid | Company or Brand Name | Maturity Class (1) | Grain Color (2) | Plant Color (3) | Days to 50% Flower | Plant Ht. In. | Head Exser- tion In. | Weather Rating (4) | % Bird Damage (5) | % Moisture | Test Weight lb/bu | Yield lb/A (6) | Mean Separation LSD, 0.05 |
|-------------------------|--------------------------------|--------------------------|-----------------------|-----------------------|-----------------------------|---------------------|-------------------------------|--------------------------|----------------------------|---------------|-------------------------|----------------------|------------------------------------|
| AG3201 | Alta Seeds | ML | BZ | R | 60 | 44 | 0 | 5.0 | 0.0 | 12.3 | 57.8 | 5,785 | A |
| Browning Challenger BMX | Browning Seed Inc. | M | BZ | P | 61 | 41 | 0 | 3.0 | 1.3 | 11.9 | 56.0 | 5,172 | AB |
| AG3101 | Alta Seeds | ML | R | R | 60 | 44 | 1 | 3.5 | 1.3 | 12.3 | 58.3 | 5,121 | A-C |
| E33573 | Mycogen Seeds | ML | BZ | P | 61 | 42 | 1 | 5.5 | 1.3 | 12.1 | 58.0 | 5,093 | A-D |
| DEKALB Brand DKS51-01 | Monsanto Company | ML | BZ | P | 60 | 47 | 3 | 4.5 | 7.5 | 12.5 | 58.2 | 4,912 | A-E |
| NK5418 | Chromatin Inc. | ML | BZ | P | 56 | 35 | 1 | 6.0 | 0.0 | 11.4 | 56.6 | 4,838 | A-E |
| Armor BANDIT | Armor Seed, LLC | * | * | * | 65 | 46 | 1 | 3.5 | 3.8 | 11.6 | 58.1 | 4,809 | A-E |
| AG2101 | Alta Seeds | M | R | R | 61 | 40 | 2 | 4.5 | 2.5 | 12.1 | 55.8 | 4,802 | A-F |
| E33761 | Mycogen Seeds | ML | BZ | P | 60 | 43 | 2 | 3.5 | 3.8 | 11.3 | 56.2 | 4,708 | B-F |
| AG2103 | Alta Seeds | ME | R | R | 55 | 40 | 3 | 3.5 | 1.3 | 12.3 | 58.5 | 4,681 | B-G |
| REV® RV9562™ | Terral Seed Inc. | ME | R | P | 59 | 41 | 0 | 5.0 | 0.0 | 11.5 | 57.8 | 4,669 | B-G |
| IG741 | Mycogen Seeds | M | BZ | P | 61 | 43 | 2 | 5.5 | 2.5 | 10.8 | 57.5 | 4,594 | B-G |
| SPX3550 | Chromatin Inc. | M | CR | P | 57 | 34 | 0 | 4.5 | 0.0 | 11.0 | 55.6 | 4,592 | B-G |
| XG 30003 | Advanta Research | M | R | R | 60 | 42 | 1 | 2.5 | 1.3 | 11.7 | 57.8 | 4,586 | B-G |
| SPX3675 | Chromatin Inc. | L | BZ | P | 59 | 38 | 0 | 4.5 | 0.0 | 11.4 | 54.9 | 4,571 | B-G |
| SPX3680 | Chromatin Inc. | L | BZ | P | 61 | 40 | 1 | 2.5 | 1.3 | 11.5 | 57.4 | 4,571 | B-G |
| DEKALB Brand DKS41-50 | Monsanto Company | ML | BZ | P | 58 | 50 | 4 | 4.0 | 5.0 | 11.9 | 58.0 | 4,451 | B-H |
| ATx2752 x RTx430 | Texas AgriLife Research | ML | BZ | P | 61 | 43 | 0 | 5.5 | 1.3 | 12.6 | 56.2 | 4,439 | B-H |
| Armor Outlaw | Armor Seed, LLC | ML | R | P | 61 | 47 | 2 | 3.0 | 5.0 | 11.7 | 57.3 | 4,420 | B-H |
| X445 | Chromatin Inc. | ML | BZ | P | 61 | 41 | 3 | 4.5 | 2.5 | 11.8 | 55.9 | 4,398 | B-I |



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|-----------------|--------------------------------|--------------------------|-----------------------|-----------------------|-----------------------------|---------------------|-------------------------------|--------------------------|----------------------------|---------------|-------------------------|----------------------|------------------------------------|
| 1G688 | Mycogen Seeds | M | R | P | 60 | 42 | 1 | 2.0 | 5.0 | 11.3 | 57.3 | 4,329 | B-J |
| Armor AXM8041 | Armor Seed, LLC | * | * | * | 62 | 46 | 2 | 3.5 | 7.5 | 12.7 | 57.8 | 4,307 | B-J |
| Armor AXM9010 | Armor Seed, LLC | * | * | * | 60 | 44 | 1 | 5.0 | 2.5 | 11.3 | 56.5 | 4,302 | B-J |
| REV® RV9782™ | Terral Seed Inc. | ML | R | P | 56 | 38 | 1 | 3.0 | 6.3 | 11.6 | 56.8 | 4,219 | B-J |
| SP6929 | Chromatin Inc. | ML | BZ | P | 57 | 43 | 3 | 4.5 | 1.3 | 12.2 | 57.9 | 4,215 | B-J |
| Armor AXM91743 | Armor Seed, LLC | * | * | * | 50 | 42 | 1 | 5.5 | 5.0 | 11.2 | 54.8 | 4,113 | C-J |
| Armor AXM12423 | Armor Seed, LLC | * | * | * | 57 | 41 | 3 | 4.5 | 2.5 | 10.9 | 56.0 | 4,090 | C-J |
| SPX3678 | Chromatin Inc. | M | CR | P | 61 | 42 | 1 | 4.5 | 0.0 | 10.9 | 54.2 | 4,074 | D-J |
| ATx631 x RTx436 | Texas AgriLife Research | ML | W | T | 61 | 48 | 2 | 4.5 | 1.3 | 11.4 | 57.4 | 4,074 | D-J |
| ATx378 x RTx430 | Texas AgriLife Research | ML | BZ | P | 61 | 46 | 1 | 4.0 | 5.0 | 11.9 | 55.6 | 4,069 | D-J |
| AG1203 | Alta Seeds | M | BZ | R | 58 | 39 | 2 | 6.0 | 1.3 | 11.6 | 56.3 | 4,064 | D-J |
| AG2105 | Alta Seeds | M | R | R | 57 | 40 | 1 | 3.5 | 5.0 | 10.8 | 58.0 | 3,989 | E-K |
| Armor AXM9058 | Armor Seed, LLC | * | * | * | 55 | 40 | 2 | 4.5 | 5.0 | 11.5 | 56.5 | 3,983 | E-K |
| Armor AXM68653 | Armor Seed, LLC | * | * | * | 67 | 48 | 2 | 4.5 | 0.0 | 11.3 | 55.3 | 3,977 | E-K |
| SPX3401 | Chromatin Inc. | * | Y | P | 58 | 38 | 0 | 5.5 | 1.3 | 12.0 | 54.9 | 3,968 | E-K |
| Browning 775w | Browning Seed Inc. | M | BZ | P | 57 | 41 | 2 | 5.0 | 1.3 | 11.3 | 57.3 | 3,966 | E-K |
| Armor AXM9813 | Armor Seed, LLC | * | * | * | 60 | 41 | 1 | 3.0 | 2.5 | 11.9 | 58.0 | 3,948 | E-K |
| NK7633 | Chromatin Inc. | ML | BZ | P | 61 | 40 | 2 | 5.0 | 1.3 | 11.1 | 57.9 | 3,893 | E-K |
| Armor AXM9033 | Armor Seed, LLC | * | * | * | 61 | 43 | 1 | 3.5 | 6.3 | 12.2 | 58.3 | 3,893 | E-K |
| Armor Lightning | Armor Seed, LLC | E | R | P | 59 | 41 | 1 | 4.0 | 3.8 | 10.9 | 57.0 | 3,762 | F-L |



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|-------------------------------------|--------------------------------|--------------------------|-----------------------|-----------------------|-----------------------------|---------------------|-------------------------------|--------------------------|----------------------------|---------------|-------------------------|----------------------|------------------------------------|
| REV® RV9883™ | Terral Seed Inc. | ML | R | P | 60 | 45 | 1 | 3.5 | 13.8 | 11.2 | 56.7 | 3,645 | G-L |
| XG 30001 (Tested as XG1323 in 2013) | Advanta Research | M | R | R | 58 | 42 | 3 | 4.5 | 5.5 | 11.9 | 56.3 | 3,493 | H-L |
| Armor AXM11043 | Armor Seed, LLC | * | * | * | 53 | 42 | 2 | 5.5 | 5.0 | 10.9 | 56.5 | 3,452 | H-L |
| XG30002 | Advanta Research | M | R | R | 58 | 39 | 3 | 3.0 | 1.3 | 11.6 | 56.8 | 3,363 | I-L |
| REV® RV9924™ | Terral Seed Inc. | L | R | P | 61 | 45 | 0 | 4.5 | 21.3 | 11.5 | 56.9 | 3,286 | J-L |
| AG2115 | Alta Seeds | M | R | R | 59 | 41 | 1 | 4.5 | 6.3 | 11.8 | 55.8 | 2,997 | KL |
| Armor Maverick | Armor Seed, LLC | M | R | R | 67 | 43 | 4 | 4.0 | 8.8 | 12.1 | 54.0 | 2,763 | L |
| Mean | | | | | 59.3 | 42.0 | 1.4 | 4.2 | 3.5 | 11.6 | 57 | 4,244 | |
| C.V. | | | | | 3.13 | 5.80 | 86.20 | 26.10 | 124.90 | 7.27 | 1.82 | 17.61 | |
| Prob>F (Hybrid) | | | | | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | NS | <.0001 | <.0001 | |

Note 1: All data was analyzed using JMP. Mean separation was performed using LSD and is designated by the letter groupings. Those hybrids followed by the same letter are not statistically different at P<0.05.

Note 2: Those hybrids entered by the Texas A&M AgriLife Research are being tested as check hybrids

(1) Maturity classification designated by respective seed companies: E=Early, M=Medium, ML=Medium Late, L=Late. Those hybrids with an asterisk (*) indicates company did not submit maturity.

(2) Grain color designated by respective seed companies: R=Red, Bz=Bronze, W=White, Cm=Cream, Y=Yellow. Those hybrids with an asterisk (*) indicates company did not submit grain color.



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|--------|--------------------------------|--------------------------|-----------------------|-----------------------|-----------------------------|---------------------|-------------------------------|--------------------------|----------------------------|---------------|-------------------------|----------------------|------------------------------------|
|--------|--------------------------------|--------------------------|-----------------------|-----------------------|-----------------------------|---------------------|-------------------------------|--------------------------|----------------------------|---------------|-------------------------|----------------------|------------------------------------|

(3) Plant color designated by respective seed companies: T=Tan, R=Red, P=Purple. Those hybrids with an asterisk (*) indicates company did not submit plant color.

(4) A visual grain weathering rating was taken from all replications prior to harvest by Mr. Mark Stelter. The rating scale key is as follows:
 1= no visual symptoms; 2= less than 5% of grain weathered; 3= 10-30% of grain weathered; 4= 30-50% of grain weathered; 5= 50% of grain weathered
 6= 60% of grain weathered; 7= 70% of grain weathered; 8= 70-90% of grain weathered; 9= grain completely deteriorated.

(5) % Bird damage was taken at harvest from all 4 reps and averaged.

(6) Yields corrected to 14% moisture

For further information about this report, contact Mr. Dennis Pietsch, Crop Testing Director, Texas A&M AgriLife Research, College Station, TX
 (979) 845-8505, DPietsch@ag.tamu.edu

Please visit the Crop Testing webpage at <http://varietytesting.tamu.edu>