

### Irrigated trial of soybean varieties in solid planting at Yuma<sup>1</sup> in 2005.

Hybrid	Test		Plant	
	Yield	Moisture	Weight	Height
	lb/ac	%	lb/bu	in
NK Brand S27-T7	69.7	7.7	56.7	27
DEKALB DKB26-53	62.2	7.8	56.4	31
NK Brand S28-G1	59.1	7.9	56.5	29
ASGROW AG3005	51.2	8.2	56.9	32
DEKALB DKB29-51	50.3	7.7	56.2	32
Garst 2018 (RR)	50.2	7.8	56.9	29
Garst 2677 (RR)	48.7	7.6	56.0	28
ASGROW AG2403	46.0	7.6	55.7	26
NK Brand S28-W2	45.6	8.0	56.8	28
NK Brand S29-C9	32.8	7.8	56.2	33
Average	51.6	7.8	56.4	29
LSD <sub>(0.30)</sub>	9.5			

<sup>1</sup>Trial conducted on the Bob Taylor farm; seeded 5/23 and harvested 10/03/05.

\*No shatter.

### Irrigated trial of soybean varieties in row planting at Yuma<sup>1</sup> in 2005.

Hybrid	Test		Plant		
	Yield	Moisture	Weight	Height	Shatter
	lb/ac	%	lb/bu	in	%
NK Brand S27-T7	58.2	7.7	55.9	31	0.0
NK Brand S29-C9	57.7	7.8	56.0	38	0.7
NK Brand S28-W2	51.1	7.7	56.6	32	0.3
NK Brand S28-G1	50.6	7.8	56.5	32	0.0
Myconate - Non-treated	50.4	7.6	53.7	29	0.3
Garst 2018 (RR)	49.9	7.8	56.6	29	0.0
Myconate - Treated	47.8	7.7	55.6	31	0.0
Garst 2677 (RR)	40.6	7.9	54.7	31	0.0
Average	50.8	7.8	55.7	32	0.2
LSD <sub>(0.30)</sub>	4.1				

<sup>1</sup>Trial conducted on the Bob Taylor farm; seeded 5/23 and harvested 10/03/05.

### Differential soybean variety response to solid planting or row planting in the 2005 trial

A combined analysis of planting system and variety response revealed a significant interaction between these two factors. This means that some varieties were highly ranked in one planting system and were ranked lower in the other system and that the variety performance needs to be evaluated as a function of the planting system. See the results above by planting system. However, the variety NK Brand S27-T7 was the highest yielding variety in both planting systems, albeit not significantly higher yielding than DEKALB DKB26-53 in the solid planting system, and not significantly higher yielding than NK Brand S29-C9 in the row planting system. The two planting systems were not significantly different from one another in terms of yield.