



Soybean – in furrow application

Trial area:

Various location in Midwest USA

Conducted by:

Hefty Seed Company

Crop:

Soybean

Treatment description:

Kelpak applied in-furrow with planter at 1pt/Ac



Rationale

To test the effect of Kelpak LSC on soybean applied in-furrow at planting in Midwest USA.

Results and discussion

Eight trials were conducted with Kelpak LSC applied in-furrow at planting, some with and some without other products. When applied with other products, the control would receive that product only. The other products that were applied included: Progerm (starter fertiliser) applied in-furrow at 5-7 gal/Ac, Dakota Rev (humic acid) applied in-furrow at 1qt/Ac and Levenson 64 (starter fertiliser) applied in-furrow at 2 qt/Ac.

Applying Kelpak LSC in-furrow alone or in combination with other products improved yield in each instance. Considering all eight trials together, Kelpak improved yield significantly compared to the control with an average increase of 2.8 bushels/acre. This confirms previous results by Larson Grain with Kelpak LSC also applied as an in-furrow application on soybean.

Table 1. The effect of Kelpak on Soybean when applied as an in-furrow application

State	Area	Product combination	Control	Control	Kelpak	Increase
			BU/Ac	BU/Ac	BU/Ac	BU/Ac
Minnesota	Breckenridge	Progerm	4	56.2	84.5	2.0
S Dakota	Baltic		11	82.4)	81.2	2.1
Nebraska	Atkinson		12	76.6	81.4	4.6
			12	76.7	83.9	4.7
		Dacota rev	12	80.1	82.1	3.8
		Dacota rev	12	79.7	83.3	2.4
		Levenson 64	12	81.9	85.0	1.4
		Levenson 64	12	83.8	80.0 a	1.2
Average				77.2 b	58.2	2.8



Statistical analysis was performed over replicate averages per site and grower practice treatment (n=8), comparing grower practice to grower practice plus the Kelpak LSC applied in-furrow. Different letters in the average values indicate a statistical significant difference at p=0.01

