Kelpak - in-furrow application on corn

Trial area: MidWest USA

Conducted by:
Hefty Seed Company

Crop: Corn

Treatment: Kelpak applied in-furrow with planter at 1 pt/Ac (1 L/ha)

Summary

Eight trials were conducted with Kelpak Liquid Seaweed Concentrate 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-furow at 5-7 gal/Ac, Quality Liquid Feed (starter fertiliser) applied in-furrow at 5 gal/Ac and Capture (insecticide) applied at 7 oz/Ac.

Applying Kelpak LSC in-furrow alone or in combination with other products improved yield in each instance. Considering all eight trials together, Kelpak LSC improved yield significantly compared to the control with an average increase of 6 bushels/ acre (380 kg/ha). This confirms previous results by Larson Grain with Kelpak LSC also applied as an in-furrow application on corn.

Results: The effect of Kelpak on Corn when applied as an in-furrow application

State	Area	Product combination	Reps	Control Bu/Ac	Kelpak Bu/Ac	Increase Bu/Ac
Minnesota	Marshall	–	1	165.1 (10.4)	**173.4 (10.9)**	**8.4 (0.53)**
	Marshall	Progerm	1	173.0 (10.8)	**176.9 (11.1)**	**3.9 (0.24)**
	Breckenridge	–	1	203.5 (12.8)	**206.7 (13.0)**	**3.2 (0.20)**
	Breckenridge	Progerm	1	204.3 (12.8)	**211.9 (13.3)**	**7.6 (0.48)**
	Breckenridge	Capture	1	211.8 (13.3)	**216.6 (13.6)**	**4.8 (0.30)**
Nebraska	Atkinson	Quality Liquid Feed	18	244.2 (15.3)	**253.7 (15.9)**	**9.5 (0.60)**
S Dakota	Baltic	–	7	251.8 (15.8)	**255.8 (16.0)**	**4.0 (0.25)**
	Baltic	–	7	251.8 (15.8)	**258.4 (16.2)**	**6.6 (0.41)**
Average				**213.2 (13.4)a**	**219.2 (13.7) b**	**6.0 (0.38)**

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