

cereal crops



- Increases vigour of root and shoot growth
- Improves nutrient uptake
- Increases culm diameter and reduces lodging
- Improves resistance during drought conditions
- Produces higher quality grain and yields



Kelpak

Kelpak, a natural seaweed extract produced from freshly harvested *Ecklonia maxima* kelp, scientifically proven to increase the health, quality and marketable yield in a wide variety of cereal crops.

The global leader in seaweed products for over forty years





Kelpak

Kelpak seed application on cereals

COUNTRY	NO. OF TRIALS	CROP	RATE	CROP	AVE YIELD INCREASE
Mid-west USA	2	wheat	6 fl oz/cwt	Seed dressing	9%
Mid-west USA	4	maize	6 fl oz/cwt	Seed dressing	5%*
South Africa	1	wheat	8 fl oz/cwt	Seed dressing	7%
South Africa	2	maize	8 fl oz/cwt	Seed dressing	8%
Brazil	4	maize	4 fl oz/cwt	Seed dressing	4%*
South Africa	2	maize	8 fl oz/cwt + 1 qt/acre	Seed dressing + foliar V4	15%
Brazil	4	maize	4 fl oz/cwt + 0.2 qt/acre	Seed dressing + foliar V6	7%*
South Africa	2	maize	0.4 qt/acre	In-furrow	22%
Mid-west USA	12	maize	0.4 qt/acre	In-furrow	4%*

*high yields > 180 bushels/acre

Kelpak foliar application on cereals

COUNTRY	NO. OF TRIALS	CROP	RATE (quart/acre)	TIMING BBCH	AVE YIELD INCREASE
South Africa	+20	wheat	1	13-15	11%
Zimbabwe	6	wheat	1	13-14	6%
Australia	4	wheat	1	13-15	10%
Poland	4	wheat	0.6-1	14 or 32	10%
UK	2	wheat	1	14	8%
South Africa	7	maize	1	14-15	13%
South Africa	1	silage maize	1	15	23%
Poland	2	silage maize	0.6-1	32	25%
South Africa	7	barley	1	13-15	15%
Poland	2	barley	0.6-1	13-14	10%
UK	1	barley	1	13-14	17%

RECOMMENDED APPLICATION RATE

Seed dressing Apply 8 fl oz/cwt seed prior to planting or
In-furrow 0.4 quart/acre applied as band spray and/or
Foliar Spray 1 quart/acre at 4 to 5-leaf stage

Kelpak is manufactured using the unique cold Cellburst extraction process



For more information contact Midwestern BioAg at 608.841.1615