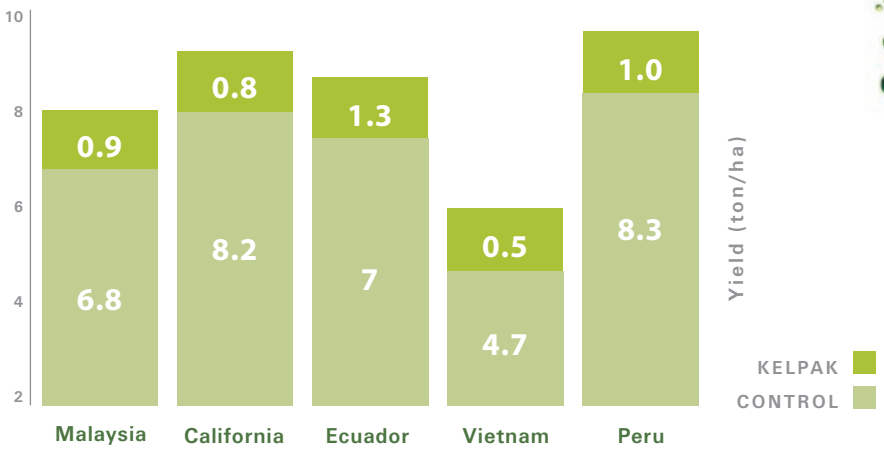
rice

- **Improves germination**
- **Improves root growth**
- **Increases tillering**
- **Increases number of panicles**
- **Increases yield**
- **Increases 1000 grain weight**
- **Reduces lodging**

Kelpak, a natural biostimulator extracted from freshly harvested *Ecklonia maxima* kelp, scientifically proven to increase the health, quality and yield in a wide variety of crops.

The global leader in auxin based seaweed products for over thirty years

Effect of Kelpak on Rice Yield



RECOMMENDED USE ON RICE

For improved germination, initial root growth:

1:400 Kelpak dilution with sanitary seed soak

For improved yield and quality:

First foliar spray of 2 L/ha at start of tillering (± 25 days after emergence or ± 15 days after transplant). Repeat foliar application of 1 - 2 L/ha at start of panicle initiation

DROP FOR DROP THE MOST EFFECTIVE BIOSTIMULANT

Global Rice Trial Summary

YEAR	Variety	Region	Treatment	Yield increase
1990	Sasanishiki	Miyagui Japan	20 d before culm emerge (0.2% spray)	+15%
1991	Akitakomachi	Akita Japan	3 d pre-transplant* and 35 d post-transplant (0.2% spray)	+16%
1991	Akitakomachi	Iwate Japan	3 d pre-transplant* and 27 d post-transplant (0.2% spray)	+11%
1998	Sasanishiki	Tokyo Japan	Pre-transplant* and post-transplant (0.2% spray)	+13%
2001	IET-4787	East India	3 d pre- and 15 d post-transplant (1.5 L/ha)	+ 8%
2001	MTU 1001	South India	3 d pre- and 15 d post-transplant (2 L/ha)	+ 5%
2002	Padi	Sg Besar Malaysia	Seed soak (0.2%); 14 d after sowing (2 L/ha)	Better germination +12%
2003	Padi	Mekong Vietnam	Spray 7 and 15 d after sowing (0.25%) (2 trials)	+10%
2003	INIAP 14	Vainillos Ecuador	Spray 25 d after seeding (2 L/ha)	+17%
2004	M202	Sacramento California	Seed soak (0.3%); Spray 24 d after seeding (2 L/ha)	+ 9%
2006	IR-43	Jequetepeque Peru	Spray 18 d after plantout (2 L/ha)	+12%
2010	IR-43	Chiclayo Peru	Spray start of tiller (2 L/ha); Start of panicle initiation (1 L/ha)	+16% +25%
2010	IR-43	Chiclayo Peru	Spray start of tiller (2 L/ha); Start of panicle initiation (1 L/ha)	+15% +23%
Average rice yield increase (14 trials)				+15%

* Seed bed soak with 0.1 - 0.2% Kelpak