PLANT GROWTH IN HARMONY WITH NATURE
KELPAK APPLICATION

Suitable for organic farming

KELPAK BENEFITS

- Increases growth of seedlings
- Increases growth of nursery plant-outs
- Improves nutrient uptake
- Alleviates the effect of stresses
- Increases fruit size
- Improves shelf-life during cold storage
- suitable for organic farming

WHY KELPAK

This natural seaweed concentrate utilises a unique process to deliver an end product that is scientifically proven to have numerous beneficial physiological effects on plants. Ongoing international research and trialing proves Kelpak’s ability to consistently increase the health, quality and yield in a wide variety of crops, with resultant profits benefiting farmers around the world for over forty years.

THE SOURCE

The giant brown kelp species *Ecklonia maxima*, is hand harvested by divers in the clean and nutrient rich waters off the rugged, cold Atlantic coastline of southern Africa. A strict harvesting protocol is followed to ensure uniformity and size that is essential for the raw material used to manufacture Kelpak.

THE PROCESS

The freshly harvested seaweed is sorted, cut, washed, inspected and gradually reduced. The material is then subjected to high pressure, applying a significant degree of potential energy into each particle. When passed at high velocity through a low pressure zone, this stored energy instantaneously expands, causing the cell walls to rupture, releasing the beneficial sap found in Kelpak. This non-denaturing process avoids the use of heat, chemicals or freezing and is known as Cold Cellular Burst Technology, a proprietary method refined over the last four decades.

THE RESULT

Return on investment has proven to be consistently high in global trials. This natural seaweed concentrate offers numerous benefits, with resultant increased production profits for the end user.

0-0-1

GUARANTEED ANALYSIS

Soluble Potash (K₂O) 1.0 %

pH 4.6

Derived from fresh

*Ecklonia maxima* kelp

OPTIMAL USAGE

- Do not dilute more than 1:500 with foliar application
- Do not dilute more than 1:1000 with application through drip irrigation, apply as a pulse during last 10 minutes of irrigation cycle
- Do not apply more frequently than 10 days apart
- Maintain pH below 7
- Compatible with most agrochemicals

**Kelpak is manufactured using the unique cold cellular burst process**

Kelpak is approved for organic crop production according to Regulations: (EC) No. 834/2007 and 889/2008, and USDA/NOP-Final rule
### Key Trial Results:

<table>
<thead>
<tr>
<th>Produce Type</th>
<th>Yield Increase/Return</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table grapes</td>
<td>berry size</td>
<td>+10%</td>
</tr>
<tr>
<td></td>
<td>yield returns</td>
<td>+12%</td>
</tr>
<tr>
<td>Wine grapes</td>
<td>yield increase</td>
<td>+15%</td>
</tr>
<tr>
<td></td>
<td>bunch stretching</td>
<td>+10%</td>
</tr>
<tr>
<td>Cantaloupe</td>
<td>marketable fruit</td>
<td>+17%</td>
</tr>
<tr>
<td></td>
<td>fruit weight</td>
<td>+5%</td>
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<tr>
<td>Watermelon</td>
<td>fruit weight</td>
<td>+31%</td>
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<tr>
<td>Carrots</td>
<td>marketable yield</td>
<td>+11%</td>
</tr>
<tr>
<td>Chicory</td>
<td></td>
<td>+15%</td>
</tr>
<tr>
<td>Onions</td>
<td></td>
<td>+13%</td>
</tr>
<tr>
<td>Potatoes</td>
<td>dry land yield</td>
<td>+16%</td>
</tr>
<tr>
<td></td>
<td>irrigated land yield</td>
<td>+11%</td>
</tr>
<tr>
<td></td>
<td>seed potato yield</td>
<td>+17%</td>
</tr>
<tr>
<td>Head lettuce</td>
<td>head weight</td>
<td>+16%</td>
</tr>
<tr>
<td>Leafy lettuce</td>
<td>leaf weight</td>
<td>+13%</td>
</tr>
<tr>
<td>Broccoli</td>
<td>head weight</td>
<td>+15%</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>head weight</td>
<td>+13%</td>
</tr>
<tr>
<td>Legumes (seed yield)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dry beans</td>
<td></td>
<td>+26%</td>
</tr>
<tr>
<td>Green beans</td>
<td></td>
<td>+10%</td>
</tr>
<tr>
<td>Peas</td>
<td></td>
<td>+17%</td>
</tr>
<tr>
<td>Soybeans</td>
<td></td>
<td>+17%</td>
</tr>
<tr>
<td>Cereal crops</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barley</td>
<td></td>
<td>+15%</td>
</tr>
<tr>
<td>Maize</td>
<td></td>
<td>+12%</td>
</tr>
<tr>
<td>Rice</td>
<td></td>
<td>+13%</td>
</tr>
<tr>
<td>Wheat</td>
<td></td>
<td>+12%</td>
</tr>
<tr>
<td>Nut crops</td>
<td></td>
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</tr>
<tr>
<td>Almonds</td>
<td></td>
<td>+23%</td>
</tr>
<tr>
<td>Macadamias</td>
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<td>+17%</td>
</tr>
<tr>
<td>Pecans</td>
<td></td>
<td>+16%</td>
</tr>
<tr>
<td>Walnuts</td>
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<td>+18%</td>
</tr>
</tbody>
</table>
KELPAK APPLICATION GUIDE AS PER LABEL | INCLUDING BUT NOT LIMITED TO:

Surface application in 20 to 50 gallons water per acre | Aerial application in 7 to 10 gallons water per acre

Suitable for application with electrostatic spray equipment | Apply in enough water for adequate coverage

KELPAK APPLICATION GUIDE AS PER LABEL | INCLUDING BUT NOT LIMITED TO:

GRAPES: Garlic Zucchini All Melons, Cucumber, Cucurbits:
Corn, Wheat, Barley, Cereals:
Carrots, Bush, Cane, Blue Beans:
Brix and color Berry sizing Cabbage, Cauliflower, Broccoli, Brussels sprouts, Asparagus
Walnut, Pecan Nectarine, Peach, Pear, Alfalfa Crop
TURF:
Pistachio, Plum, Prune New plantings
TREES:
Fresh, processed

APPLICATION

Spray 21 days after emergence and repeat after each cutting
Spray after first bloom emergence and repeat 2 to 3 times 14 days apart
Dip roots of plants for 5 seconds prior to transplant
Spray after 3x trifoliate and repeat pre-bloom
Spray at start of bloom and repeat at petal fall and pink fruit stages
Spray row growth and repeat twice 21 days apart
Spray at 3 to 4 leaf and repeat twice 14 days apart
Spray as band application on seed with planting, apply as side dressing with planting, spray at 4-5 leaf stage
Spray water soak seed clovers for 6 hours before planting
Spray at start of growth and repeat 3 to 5 times 21 days apart
Soak runner roots before transplanting into field
Soak seed clovers for 6 hour before planting

RATE

2-3 pts/Ac
2 pts/Ac
3 pts/Ac
2 pts/Ac
2-3 pts/Ac
3-4 pts/50 gal
4 pts/50 gal
3 pts/Ac
4 pts/100 sq ft
2-3 pts/Ac
2 pts/Ac
2 pts/Ac
1 pt/50 gal
2-3 pts/Ac
4-5 pts/Ac
4 pts/50 gal
2 pts/Ac
3 pts/Ac
1 pt/50 gal
4 pts/50 gal
3-6 fluid oz/100 sq ft

RECOMMENDATIONS FOR CROP USE AS PER LABEL
Apply Kelpak Liquid Seaweed Concentrate to transplant seedling tray, to transplant water or as foliar applications to plants.

Please refer to the Kelpak Application Guide for specific crop recommendations.

Kelpak can be applied as a soil drench, through fertigation and foliarly with nutrients. Kelpak can be included in most starter fertilizer formulations applied at crop planting.

Kelpak is applied in conjunction with standard fertilizer programs.

Consult the local distributor for fertigation applications (do not dilute more than 1 gal in 1000 gal water).

pH of Kelpak ......... 4.6

ALWAYS MAINTAIN A pH OF 7.0 OR LESS

PRECAUTIONARY STATEMENTS
NOTE: Kelpak is a non-toxic and non-ionic substance. We do however recommend applying the following precautions:

- Keep out of reach of children
- Read label before use
- Wash hands thoroughly after handling
- Keep only in original container. Keep cool. Protect from sunlight
- Store away from food and feed products
- Store away from other materials
- Dispose of unused product and empty containers in accordance with federal, state and local regulations

IF IN EYES: Rinse cautiously with water for several minutes
RINSE EYES WITH WATER/SHOWER

IF SWALLOWED: Rinse mouth

IF INHALED: Remove person to fresh air and keep comfortable for breathing

WARRANTY

IMPORTANT READ BEFORE USE

By using this product, user accepts the following conditions, disclaimer of warranties, and of limitations of liability.

CONDITIONS:
The directions for use of Kelpak are believed to be adequate and should be followed carefully. However, because of extreme temperatures and soil conditions, manner of use, and other factors beyond our control, it is impossible for us to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

DISCLAIMER OF WARRANTIES:
These are no warranties, expressed, or implied of merchantability or fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of Kelpak Products is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.
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