

Agra-Rouse™

Agra-Rouse Soil Treatment for Agriculture • Blended Phytohormone Solutions

Give Your Crops a Boost

Agra-Rouse™ soil treatment is a blend of bio-stimulants containing naturally-occurring and synthetic plant growth regulators and plant hormones that boost healthy, sustained growth on your crops.

Soil Application: Agra-Rouse for Agriculture

A Plant Growth Regulator For Use for Soil Application on Field Crops, Fruits, Tree Nuts, Vegetables, Herbs & Spices

How it works:

Agra-Rouse is a mix of plant hormones and bio-stimulants known to enhance plant yields, promote cell division and encourage root development and propagation. They work with the plant's own natural physiology to stimulate growth, vigor and health. Agra-Rouse may be applied as part of the Performance Soil Treatment™.

Where to use it:

Field Crops • Fruits • Tree Nuts • Vegetables • Herbs & Spices

What's in Agra-Rouse soil treatment

Plant Growth Regulators For Use on Field Crops, Fruits, Tree Nuts, Vegetables, Herbs & Spices

Active Ingredients

Cytokinin, as Kinetin.....	0.05%
Gibberellic Acid (GA3).....	0.05%
Indole-3-Butyric Acid (IBA).....	0.09%

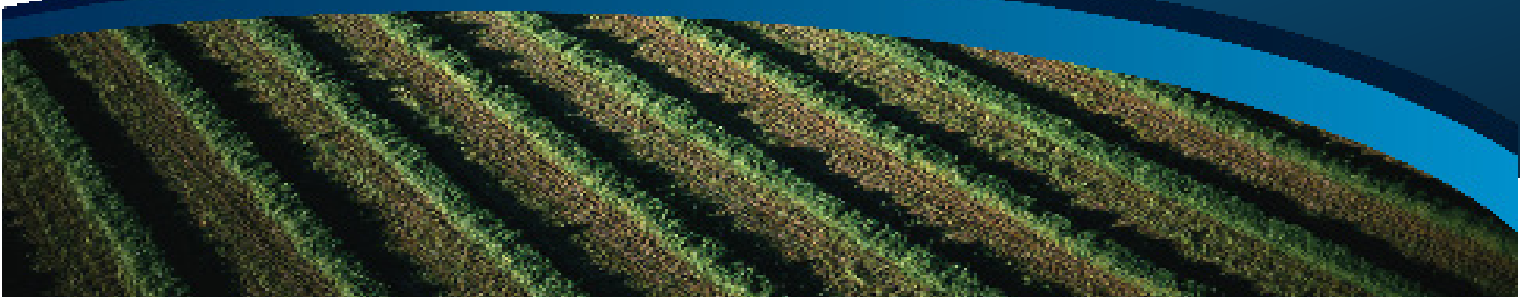


What it does:

- Stimulates plant growth and development
- Enhances cell division
- Increases cell differentiation
- Promotes cell enlargement
- Develops root growth
- Aids nutrient use efficiency
- Delays fruit ripening until optimum
- Builds an efficient water and sugar transport mechanism in the plant
- Delays leaf senescence

Benefits it provides:

- Faster seed germination
- Deeper roots
- Larger leaves and fruit
- Plant is more tolerant of heat, cold and drought
- Healthier plants
- Higher yields



Agra-Rouse™

Cytokinins are hormones that promote cell division, shoot initiation and bud formation. Cytokinins stimulate chlorophyll synthesis and leaf expansion from cell enlargement. They bring about growth and differentiation in a plant. Most of the time they combine with other plant hormones like auxins to regulate metabolic activities like leaf formation, mitotic division, differentiation and branching. This hormone also aids in seed germination.



Cytokinins affect leaf senescence, apical dominance, the breaking of bud dormancy, the formation and activity of shoot apical meristems, seed germination, floral development, and nutrient mobilization. The role of Cytokinins is to stimulate cell division and mediate aspects of light regulated development, including: chloroplast differentiation development of autotrophic metabolism, and leaf and cotyledon expansion.

Gibberellins are the plant hormones that carry out or help in cell division and stem elongation. Gibberellins help regulate biosynthesis and play an important role in mediating the effects of environmental stimuli on plant development. They also help in breaking the dormancy of seed and can delay aging and death of leaves and fruits. Gibberellins stimulate rapid stem and root growth and induce mitotic division in the leaves of some plants. They also promote seed germination and cause rapid seedling growth. Gibberellins are known to cause stem elongation in plants. Gibberellins are synergistic with Potassium.

Indole-3-Butyric Acid (IBA)

IBA is an Auxin, a class of hormones used to initiate growth in roots and stems. Indole-3-Butyric Acid (IBA) is accepted around the world as a propagating and rooting hormone for ornamental and fruit graftings and cuttings. Auxins regulate apical dominance. They promote root development as well as upward growth so that a plant can get more light to undergo photosynthesis. They also stimulate cell elongation in the roots and stems.

Agra-Rouse Rates for Soil Applications: Field Crops, Fruits, Tree Nuts, Vegetables, Herbs & Spices

4 - 8 ounces per acre

Seed Treatment:

1 - 4 ounces per 100 pounds of seed

Transplant and Rooting Solutions, Nursery/Container Use:

1 - 2 ounces per 5 gallons of solution

See label for specific application instructions and timing.



PERFORMANCE
NUTRITION®

Performance Nutrition is a division of LidoChem, Inc.

Performance Nutrition®
A division of LidoChem, Inc.
20 Village Court, Hazlet NJ 07730
Phone: (732) 888-8000
Email: info@pnfertilizers.com
www.pnfertilizers.com

Agra-Rouse is a trademark of CytoTek Enterprises, Inc.
Performance Nutrition is a registered trademark, and
Performance Soil Treatment are trademarks of LidoChem, Inc.

© 2013 LidoChem, Inc.