

Ascend[®]

By WINFIELD

Boost corn development with a plant growth regulator

Formulated for Healthy Growth

Ascend[®] plant growth regulator contains the optimal combination of three EPA registered plant growth regulators that result in vigorous early plant germination and emergence, a robust root system, larger leaves and wider stems – all giving you a significant jump on the growing season. Ascend[®] plant growth regulator can be used as a seed treatment, in furrow or as a foliar application. Ascend[®] plant growth regulator can also be applied by ground, air or chemigation.



Plant Growth Regulator Benefits

Cytokinin is a natural plant growth regulator that promotes cell division and leaf expansion while slowing leaf aging.

Gibberellic acids are naturally occurring plant growth regulators that stimulate cell division and elongation in leaves and stems.

Indolebutyric acid is a plant growth regulator that stimulates vigorous root formation and development, and increases cell elongation.

Application Rate and Timing

A typical foliar use rate is 3.2 ounces per acre for Ascend[®] plant growth regulator in most crops. Use 4.5 to 6 ounces per acre for corn in furrow. Ascend[®] plant growth regulator may be applied multiple times in most crops. Use 1 to 4 ounces per one hundred pounds of seed as a seed treatment. See label for specific rates and timing for each crop.

Packaging

2 x 2.5-gallon jugs

Ingredients

Cytokinin, as kinetin*	0.090%
Gibberellic acid*	0.030%
Indolebutyric acid*	0.045%
Other ingredients	99.835%
Total	100%

*Contains 0.03 ounce cytokinin, 0.015 ounce indolebutyric acid and 0.01 ounce gibberellic acid per quart.

Ascend[®] plant growth regulator weighs 9.3 pounds per gallon.

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Effects of Ascend® Treatment

Plants treated with Ascend® plant growth regulator visibly outperform untreated plants at multiple growth stages.



Germination



V4 to V5



Full Maturity

Plants treated with 10-34-10 and Citri-Che™ Zinc 10% (on right) vs. 10-34-10, Citri-Che™ Zinc 10% and Ascend® (on left).

Source: 2011 Answer Plot® Data

Benefit of Ascend® on Corn*

Location	Sites	Percent Positive Response	Avg. Yield Response**
National	85	67.1%	3.0 bu. (overall) 8.3 bu. (responsive sites)

*Comparison of 10-36-0 + Zinc vs. 10-34-0 + Zinc + Ascend®

**2011 Answer Plot Data

Effects of Ascend® and Citri-Che™ Zinc 10% Applied In-Furrow at Corn Planting

Treatment	Yield (bu. per A)	Gross Income* (\$ per A)
Check	143.3	573.2
10-34-0	148.3	593.2
10-34-0 + Citri-Che™ Zinc 10%	154.0	616.0
10-34-0 + Ascend® + Citri-Che™ Zinc 10%	163.0	652.0

*Income based on a corn price of \$4.00 per bushel.

Source: Westra, Colorado State University, 2006.