



# The benefits of in-furrow plant growth regulators

Growing high-yielding corn doesn't happen by chance. It requires strong agronomic management and investment, which can be challenging when you can't control what Mother Nature throws at you. Utilizing all the tools in your toolbox like in-furrow plant growth regulators (PGR) can help set your corn up for season-long success.

## What are PGRs?

PGR is a broad term for any product that uses plant hormones to generate a plant response. PGRs can initiate many responses in plants, from more vigorous root growth and stem elongation to plant senescence. Since not all products provide the same results, it's important to [know a product's active ingredients](#) and understand how they work.

## What are the Benefits?

PGR products, such as Ascend, that contain these growth-supporting hormones can help improve plant health, stimulate more efficient growth and development, and help plants thrive in unexpected conditions.

For years, [Ascend®](#) has been helping growers take their yields to the next level. Now, they've upped the ante with a redesigned formula specifically optimized for early-season corn, Ascend2.

## Ascend SL

Ascend SL PGR is a soluble liquid plant growth regulator ideal for application in corn, soybeans, and other crops. It supports cell division, leaf expansion and root formation ahead of critical reproductive stages.

## Ascend2

New [Ascend2](#) plant growth regulator contains an auxin-dominant formulation to promote vigorous emergence and root development in corn. When combined with a starter fertilizer, Ascend2 offers a simple, convenient way to enhance early-season crop growth and stress tolerance. Based on multiple years of Answer Plot trials, corn that received Ascend2 in-furrow along with starter fertilizer had a 3 bushel per acre yield advantage compared to crops that only received a starter fertilizer.

## When to apply Ascend?

Ascend can be applied throughout the growing season. To promote vigorous root growth and early emergence, Ascend should be applied as a seed treatment or in-furrow at planting. The benefit of using a PGR before emergence is that seeds get an extra boost and off to a strong start when soil and environmental conditions might not always be favorable.

[Ascend2 FAQ's](#)

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For more information about the benefits of plant growth regulators and specifically the Ascend line-up, contact your [Heritage agronomist](#).

