

ROOTING FOR HIGHER YIELD

Growers enjoy consistent, vigorous root growth and crop resilience with Radiate®

Trammell Henry, a consultant for Crop Protection Services (CPS) in Summerdale, Ala., is always careful to shield his farmer clients from “every new thing that comes on the market.” So when he gets excited, they know he’s on to something.

“Whether it’s dry or wet, cold or hot, Radiate consistently makes the plant perform better,” he says. “I’ve never seen a product provide so much performance with the least amount of problems, and I have been a crop consultant for 13 years.”

Broadly labeled for use on over 50 crops and soil types, Radiate is a patented formulation of two proven growth regulators: Indole-3-butyric acid (IBA) and Kinetin. At just 2 oz. per acre, Radiate is easily tank-mixed with regular post-herbicide applications, giving it a broad application window. But it’s the early-season vigor, reduced plant stress and dynamic rooting that make Radiate a must-have every season for so many growers.

For Henry’s peanut, soybean and cotton customers, the most dramatic visual evidence is below ground: the vigorous, healthy root growth.

“I can show my clients pictures of their peanut roots and tell them, ‘You won’t believe this – it’s like hair on a dog’s back, all the pegs,’” he says. “It’s crazy. It just makes the plant want to produce.”

The low use rate, ease of application and, most of all, consistent performance has made his clients believers, too, Henry says. “Our clients demand yield, hands down. And we have consistently seen that after a customer starts using Radiate, they always put it on after that.”

Daniel Penry, who farms cotton, peanuts and sweet potatoes with his father in Daphne, Ala., has applied Radiate on all their acres for three straight years.

“We have seen improved tap root size, improved feeder root numbers and just a bigger all-around root system,” particularly in cotton, he says. “Your root is everything. The deeper the roots, the more resilient the crop.”

Even in the extreme weather of the coastal South, “I know that no matter what the weather throws at us, a deeper tap root and a better root system will give us higher yield,” Penry says.



“In soybeans, our research shows about a 4-bu.-per-acre advantage,” says crop consultant Steve Payne. “There is an over 90% chance of success for an economic return. That is pretty consistent.”

Farther north, growers are using Radiate year after year for consistent results on corn and soybeans.

“If a farmer uses the product one year, they tend to treat tremendously more acres the second year,” says Steve Payne, a crop consultant with CPS in Harrisonville, Mo. “With the optimum ratio of IBA and Kinetin in Radiate, we’re getting the desired impact in the crop. The formulation and rates give us good and consistent results.”

He describes more roots and root hairs, which allow more points of uptake for nutrients and moisture throughout the growing season; a fuller canopy to shade weeds; and the twofold benefit of enhanced uptake of herbicides in weeds as well as a quicker recovery in the crop.

Ultimately, this all translates to the bottom line: yields.

“In the case of corn, part of the yield is determined in that V6 to V8 growth stage, and the better position we have that plant in at that time, the more impact we’ll have on yield later on. That is when ear girth is determined in the corn plant,” Payne says.

Heath Oram, who farms and runs a custom spray operation with his two brothers in Gillman City, Mo., recalls the past two back-to-back years of challenging disease and weather stress. However, Radiate’s ability to assist in crop recovery has made him “a big believer,” he says.

“It helps in plant metabolism during the peak curve for passing the three major nutrients,” he notes. “Plant vigor – that is where Radiate definitely shines. I tell my corn guys that vigor is how you are going to have the biggest ear possible. You never want the crop to have a bad day.”

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