BULLETIN

PLANT NUTRIENTS

AdvanSix Sulf-N® Ammonium Sulfate

Scout Canola Fields After Harvest

Canola producers don't need global positioning systems and infrared photography to pinpoint sulfur-deficient areas in their fields. They simply need to scout their fields after harvest. According to Dave Franzen, soil specialist with North Dakota State University Extension Service, canola plants that are deficient in sulfur will continue to bud and regrow even after harvest.

Delayed senescence. The normal growth pattern of canola is to make seed, then die back (senesce) after harvest. But if canola doesn't get enough sulfur between bolting and flowering, it can't produce seed. As a result, it keeps growing after harvest instead of dying back. This type of regrowth is evident immediately after harvest and continues until freeze-up.

"Look for cut plants that continue to bud and regrow into small plants," says Franzen. "This will provide you with a map of areas in the field that are not getting enough sulfur."

Sulfur-deficient canola (front right)

Sulfur levels vary. Sulfur levels can vary significantly from field to field and even within fields. For example, sulfate sulfur levels within a 40-acre field in North Dakota varied from four pounds per acre to over 1,000 pounds per acre when taken at a depth of two feet.

Because soil tests tend to overestimate sulfur levels, even soils that test in the high range should be treated, says Franzen. NDSU recommends sulfur rates of 10 to 15 pounds per acre on high-testing soils and 20 to 30 pounds per acre on soils that test low to medium.

Sulf-N® ammonium sulfate (21-0-0-24S) supplies all of its sulfur in the readily available sulfate form. For best results, apply it preplant to spring canola and as a spring topdress to winter canola.

Contact AdvanSix
To learn more about the benefits of Sulf-N® Ammonium Sulfate, visit **AdvanSix.com** or **SulfN.com** or call:
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