



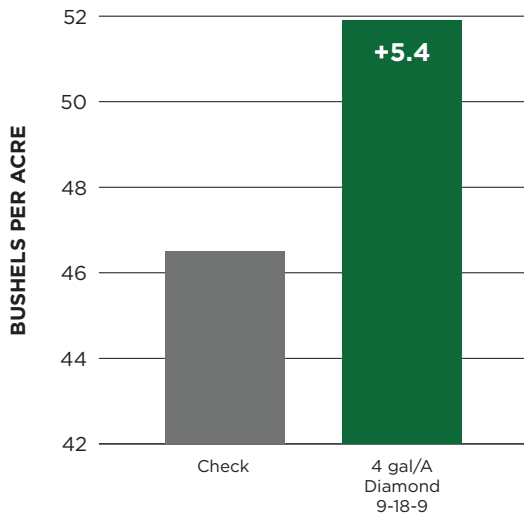
LOW-SALT FOLIAR APPLICATION BOOSTS SOYBEAN AND ALFALFA YIELDS



PureGrade® fertilizers can be applied with glyphosate to save a trip over the field.

FOLIAR APPLICATION OF DIAMOND 9-18-9

Soybeans | Nebraska



Application Methods: 4 gallons per acre of Diamond 9-18-9 foliar applied. No herbicides included.

Yield Increase: Soybeans foliar applied with Diamond 9-18-9 yielded 5.4 more bushels per acre than the check.

Soybeans are the most common crop in the Corn Belt for foliar application of nutrients. And, it gets easier with each growing season.

Sprays with glyphosate are often applied at the right time for foliar nutrient application. It is simple to add 2 to 3 gallons of a PureGrade® fertilizer to the tank mix. The foliar nutrients can potentially give a boost to the young, developing crop.

We recommend any of our most popular PureGrade® products for foliar application to soybeans and alfalfa. Growers sometimes use the PureGrade analysis left over from their corn starter program. Both GoldStart® and Diamond fertilizers may be used with glyphosate.

According to research by Barel & Black, orthophosphate tends to enter the leaf tissue more rapidly than polyphosphates, but the best yields come from foliar sprays that contain both ortho and poly forms of phosphate. It is thought polyphosphates provide feeding over an extended period of time. This suggests GoldStart fertilizers, which contain both ortho and polyphosphates, are an excellent choice for foliar application.

We've found one of the best times to apply a PureGrade foliar fertilizer is during the 3rd to 6th trifoliolate stage. Sprays of glyphosate also occur at this time so adding a PureGrade low-salt liquid fertilizer to the tank mix makes a good fit in both timing and convenience.

A 3 gal/A application of PureGrade liquid fertilizer needs only about a bushel and a half increase in soybean yield to break even. This assumes the fertilizer is applied piggy back with the herbicide application.

Two yield checks in northeast Nebraska showed Diamond 9-18-9 foliar applied had a 5.4 bushel increase over check (see graph).

Any crop can benefit from foliar feeding including alfalfa, corn, edible beans, potatoes, vegetables and fruits.

Alfalfa benefits because of an increase in Relative Feed Value (RFV). Typical foliar application rates are 3-5 gal/A when there has been 3-4 inches of regrowth after each cutting. Most growers plan the application as soon as possible after the last cutting has been removed.

There is no one "best" analysis to use for all foliar situations in either soybeans or alfalfa. We know using a nonionic surfactant in the spray solution improves the potential for a yield increase. Consult your local dealer or Territory Manager for assistance in selecting the best product for your needs.



Create your custom foliar fertility program for soybeans at CropCoach.com.



FOR MORE INFORMATION

The Andersons, Inc.
800-831-4815
www.AndersonsPlantNutrient.com

Download all technical bulletins at AndersonsPlantNutrient.com

