

RESTRICTED USE PESTICIDE
DUE TO ACUTE HUMAN, AVIAN and AQUATIC INVERTEBRATE TOXICITY
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



FIFRA 2(ee)
Use Directions For Direct Injection
using a Fertilizer Carrier

FIFRA 2ee RECOMMENDATION

INDEX[®] Liquid At-Plant Insecticide

EPA Reg. No.: 5481-587

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

THIS BULLETIN MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION.

Before applying Index Liquid At-Plant Insecticide please read the complete label affixed to the product container. All applicable directions, restrictions and precautions on the EPA-registered label are to be followed. Use of Index Liquid At-Plant Insecticide according to this recommendation is subject to the use precautions and limitations imposed by the label on the container.

IMPORTANT: Read the entire Directions for Use and the Limited Warranty and Disclaimer on the EPA-registered Index Liquid At-Plant Insecticide label before using this product.

Use Information

For use in FIELD CORN (grown for grain, silage or seed), POPCORN (ear, kernel or seed) and SWEET CORN (ear, kernel or seed).

Applications of INDEX Liquid Insecticide may be made in conjunction with in-furrow starter fertilizers applied at planting. The product can be applied using a direct in-line injection system, such as a Dosatron[®] or Raven[®] system, which is properly calibrated to deliver a labeled rate of INDEX in the desired amount of liquid starter fertilizer per acre. A mixture of liquid starter fertilizer and water may also be used as a carrier to aid in mixing compatibility of INDEX during direct injection and delivery of the finished spray into the furrow. INDEX has shown compatibility with several liquid starter fertilizers, however, due to the large number of brands, fertilizer analyses and micronutrients available, AMVAC cannot evaluate all possible starter fertilizers that are labeled in corn. Results of jar test evaluations with several different fertilizers, in combination with in-line injection of product using a Dosatron system, have resulted in the following general guidelines for compatibility of INDEX

in starter fertilizers. It should be noted that evaluations were performed at a temperature of 45 degrees F° to represent potential early morning temperatures during planting season. As daytime temperatures warm, viscosity of fertilizers is reduced and compatibility with INDEX will be greater.

- INDEX should not be injected directly into 10-34-0 fertilizer. The relatively high salt index (SI) of this fertilizer will diminish the dispersion of Index and allow agglomerates to form on a Dosatron screen very rapidly. If 10-34-0 is diluted with water in a 1:1 ratio, INDEX will emulsify to a much greater degree during in-line injection. INDEX should not be used with any fertilizer having a salt index higher than 20 without dilution in 50% water.
- Injecting INDEX into 6-24-6 and 6-20-5 fertilizers will likely result in marginal compatibility, and these fertilizers present risk for build-up of agglomerates on a Dosatron screen during planting. Risk is significantly reduced if a dilution in water is made in the range of 25 to 50% water with fertilizer.
- Fertilizers that should result in the greatest level of compatibility with INDEX are 3-18-18 and 9-18-9 fertilizers. These fertilizers should not require dilution with water for in-line injection, however, Dosatron screens should be checked on a daily basis to ensure that screen build-up of flocculates is not occurring.
- Clear, 100% orthophosphate fertilizers with relatively low salt indices (SI of 16 and below) will show the greatest degree of compatibility with INDEX relative to other fertilizers.
- Compatibility of INDEX is reduced in fertilizers containing less than 100% orthophosphate. In addition, a salt index above 20 decreases dispersion of INDEX in fertilizer. Care should be taken using these fertilizers.

The Dosatron screen must be inspected, as a minimum, on a daily basis during planting operations. A clear see-through screen housing can be used for easier inspection.

Consult with a local AMVAC representative, or visit www.amvac-chemical.com prior to applying INDEX with a starter fertilizer or fertilizer/water mixture using a direct injection application system.

Restrictions

Applications in the range of 4 to 6 gallons per acre will provide dilutions which generally will improve compatibility of INDEX in fertilizer or fertilizer plus water mixtures. Apply using an application volume which ensures uniform placement in the furrow for best control of soil pests.

INDEX® is a registered trademark of AMVAC Chemical Corporation.

Registrant:

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