



Northwest Agricultural Products
A Bio/Chemical Manufacturing Company

STV-300-PA

STERIC CONCENTRATE

A Yield Enhancing Biostimulant & Nutrient
Complexing Package

READ ENTIRE LABEL BEFORE USING THIS PRODUCT

General Information

STV-300-PA is recommended for use on row crops, corn, potatoes, sugar beets, and onions. It is designed to promote nutrient penetration, uptake, and utilization through its proprietary formulation plant extracts, surfactants, natural polysaccharides, carboxyl phenolic acids.

STV-300-PA can be used to help prevent or correct trace element deficiencies when used with fertilizer containing trace elements during planting, whenever possible.

STV-300-PA should be soil applied for best results, but may be water run through a sprinkler system. Broadcast or row applications are acceptable, although greater efficiency may be expected from injecting or banding.

Storage Instructions

If you use **STV-300-PA** in bulk, it can be stored and/or shipped in stainless steel, fiberglass or polyethylene tanks. For additional information contact **NORTHWEST AGRICULTURAL PRODUCTS** at (509) 547-8234

STV-300-PA can be coated on dry blend fertilizer to control dust in the blend plant and complexing agent. Contact **NORTHWEST AGRICULTURAL PRODUCTS** for necessary equipment and instructions

CONDITION OF SALE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. Since weather, crop soil, and other conditions may vary, Northwest Agricultural Products and/or seller make no warranty of any kind, expressed or implied, concerning the use of this product. The user assumes all risks of use of handling whether or not in accordance with directions or suggestions.

CAUTION: KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENTS

Sodium Acetate	3.0%
Hydroxyacetic Acid	10.0%
Sulfamic Acid	2.0%
Sodium Hexametaphosphate	1.0%
Tartaric Acid	0.5%
2-Hydroxyethylamine Salt of Phosphorous Acid ...	38.0%
Tetrapotassium Pyrophosphate	1.0%
Trisodium Phosphate Anhydrous	1.0%

FUNCTIONING AGENTS PLANT EXTRACTS

Alginate Acid	0.8%
Mannitol	0.06%
Laminarin	0.07%
Other Polysaccharides	0.05%

SURFACTANTS

Alkyl Polyoxgenthelene Glycol Dimethyl Polysiloxane	
Fatty Acids	0.03%
Formulation Aids80%

NET CONTENTS: 5 gallons

Weight per gallon 12.44 lbs.

This product is manufactured by:
Northwest Agricultural Products, Inc.

P.O. Box 3453 • Pasco, WA 99302 • 509 / 547-8234

Patent Pending

Information regarding the contents and levels of metals in this product is available on the internet:
<http://www.aapfco.org/metals.htm>

Application Instructions

Soil applications of **STV-300-PA** can be incorporated in liquid fertilizer or applied separately.

Washington State rules requires EPA-approved safety devices to be in use when this product is used in any irrigation system.

APPLICATION RATES:

For use with macronutrients (N,P, and/or K) on row crops: Apply **STV-300-PA** per acre mixed with the liquid nutrients. Add **STV-300-PA** to a partially filled tank and continue to fill the tank. If mixing permits, allow agitation of the solution to insure uniform mixing.

To use **STV-300-PA** apply the following rates:

Rates are based on pounds of phosphate used per acre.

When using Ammonium Poly-Phosphate at the rate of:

- 5 gallons per acre (12/lbs. of P), use 16 ounces of **STV-300-PA**
- 10 gallons per acre(24/lbs. of P),use 32 ounces of **STV-300-PA**
- 15 gallons per acre(35.8/lbs of P),use 64 ounces of **STV-300-PA**
- 20 gallons per acre(47.8/lbs of P),use 128 ounces of **STV-300-PA**

COMPATIBILITY:

The mixing properties of **STV-300-PA** are similar to other grades of phosphoric acid. **STV-300-PA** may reduce the pH of spray solutions.

Check chemical labels for specific pH requirements. If compatibility is in question, jar test a small quantity.

Use caution when mixing with solutions having a pH above 8.0. Always add **STV-300-PA** to water. **NEVER ADD WATER TO STV-300-PA.**

Agitate vigorously to improve mixing.

Use caution when mixing with multi-nutrient or high sulfate mixes.

The acid properties of **STV-300-PA** may increase salting out of nitrogen solutions.

Mix with water or fertilizer solutions to improve application coverage.

PRECAUTIONS:

Avoid tank mix combinations where enhanced chemical activity may damage crop.

STV-300-PA can be mixed with almost all liquid fertilizers and liquid nutrients including seeding, pre-plant, side dress, banding and water runs via sprinkler irrigation.

Center-pivot Irrigation Equipment: Use only electric or oil hydraulic drive systems that provide a uniform water distribution.

STV-300-PA is compatible with almost all fertilizers, nutrients. If unfamiliar with its use, be sure to contact **NORTHWEST AGRICULTURAL PRODUCTS** for compatibility or perform a jar test, mixing each product in the same ratios as to be field applied.