



IMPROVE PESTICIDE PERFORMANCE
WITH
U.S. PATENT APPROVED PRODUCT

PRINCIPLE FUNCTIONING AGENTS

Wetters, Spreaders, Penetrants	49%
Spray Water Buffers	34%
Other Ingredients	17%
TOTAL	100%

INDICATE 5 is an adjuvant containing a combination of nonionic and anionic components and is suitable for ground and aerial coarse spray applications

IMPROVES PESTICIDE PERFORMANCE BY

- reduces and buffers the pH of the spray solution.
- prevents hard water inactivation of post-emergent herbicides, insecticides, fungicides, and plant hormones.
- prevents rapid hydrolysis (degradation) of alkaline sensitive pesticides such as organophosphates, carbamates, synthetic pyrethroids and chlorinated hydrocarbons.
- has excellent wetting and spreading properties thereby helping to reduce the possibility of chemical damage to the plant.
- improves cuticular penetration and increases plant uptake of systemic pesticides and foliar nutrient sprays.
- contains a unique pH indicator that turns the color of the spray water pink when the optimum pH range of 4.5-5.5 has been reached.
- improves the compatibility of emulsifiable concentrates with foliar nutrients.

U.S. Patent 5278132

Manufactured by:

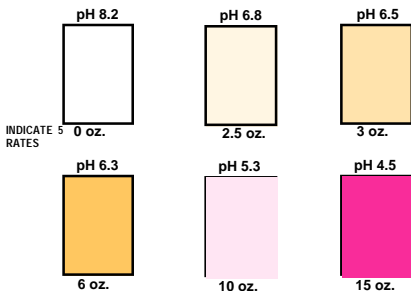


BRANDT CONSOLIDATED
Pleasant Plains, Illinois 62677
217-626-1031
U.S. EPA Est. 48813-IL-1

INDICATE 5™

WATER SOLUBLE
ADJUVANT
CONTAINS NONIONIC, ANIONIC COMPONENTS

Hard Water
Adjusted per 100 gallons water



Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty or any other warranty of merchantability of fitness of a particular product expressed or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

CONTENTS: 2.5 Gallon

Packed 2x 2.5 Gallon

Alkaline and hard spray water can sabotage your spray efforts

The two most important factors affecting spray water quality are **pH** and **water hardness**

1. THE EFFECT OF pH

The efficacy of many pesticides can be adversely affected by exposure to alkaline spray water (high pH) through the degradation process known as alkaline hydrolysis.

Chemicals sensitive to alkaline hydrolysis include:

- Organo Phosphates
- Synthetic Pyrethroids
- Carbamates
- Chlorinated Hydrocarbons
- Triazines and Others

2. THE EFFECT OF HARD WATER

Hard water contains high levels of calcium, magnesium, and iron that inactivate pesticides. Post applied herbicides such as Glyphosates, Bentazone, Sethoxydms, Fluazifops, 2,4-Ds, MCPAs, and others, insecticides and fungicides are inactivated in combination with hard water salts.

THE VALUE OF INDICATE 5™

The use of Indicate 5™ counters both the detrimental effects of high pH and hard water on sensitive pesticides. One function of Indicate 5™ is to reduce the pH of whatever type of spray water to be used. The ideal pH range of 4.5 to 5.5 can be readily obtained by addition of Indicate 5 to the spray water, using its unique color change reaction to pink. Indicate 5 also acts as a wetting, spreading and penetrating agent. When spray water turns pink the surface tension is reduced to 26 dynes per centimeter, resulting in an even film of spray over the leaf and better pesticide performance.

DIRECTIONS FOR USE

MIX INDICATE 5™ WITH THE SPRAY WATER BEFORE THE ADDITION OF ANY CHEMICALS. Add Indicate 5 until the spray water turns pink to get the optimum pH 5.0. Add Indicate 5 until the spray water turns orange to select pH 6.0

The following table serves as a guide to the volume of Indicate 5 required for different types of spray water.

Water hardness rating	Total Dissolved Salts t.d.s.	Conductivity s/cm	Drops per Pint	Rate in oz. per 100 gal. water
Soft	0-100	0-200	7- 9	5- 6
Medium	100-200	200-300	9-10	6- 7
Medium Hard	200-250	300-400	10-15	7-10
Hard	250-300	400-450	15-30	10-20
Very Hard	300-400	450-500	30-44	20-30
Extremely Hard	400 +	500 +	44+	30 +

Soft Water: A rapid color change occurs from milky white to pink.

Hard Water: Color changes slowly from milky white to yellow to orange to pink.

The correct volume of Indicate 5™ to be added to the spray water is indicated by the color: Pink at pH 5; Orange at pH 6.

INDICATES THE OPTIMUM pH LEVEL

Patented Indicate 5™ is the only adjuvant that contains a built-in pH indicator, turning the spray water pink as soon as the optimum level of 4.5-5.5 is reached. It eliminates the need to test the water pH with any additional equipment. In fact, even in the unlikely event of overdosing with Indicate 5™ the solution will be automatically buffered and the pH will remain at a safe level.

Manufactured by



BRANDT CONSOLIDATED
Pleasant Plains, Illinois 62677
217-626-1031
U.S. EPA Est. 48813-IL-1