



## BRANDT INDICATE 5<sup>®</sup>

# pH Indicator, Acidifier, Water Conditioner and Wetter Spreader

BRANDT INDICATE 5 is multi-functional adjuvant and water conditioner that counters the detrimental effects of high pH and hard water on sensitive pesticides. BRANDT INDICATE 5 adjusts water pH and contains a patented, built-in pH indicator that turns the spray water pink as soon as the optimum level of 4.5-5.5 pH is reached. It works by acidifying alkaline water and neutralizing salts present in hard water which can impact spray efficacy.

BRANDT INDICATE 5 also acts as a wetting, spreading and penetrating agent which helps create an even film of spray over the leaf for improved pesticide performance.

Many active ingredients are sensitive to alkaline hydrolysis and may become de-activated in hard water, including: glyphosate, organophosphates, synthetic pyrethroids, carbamates, chlorinated hydrocarbons, and triazines.

### The Advantages of BRANDT INDICATE 5

- Ensures optimum pesticide performance when the water quality is unknown
- Eliminates the need to test the water pH with any additional equipment
- Promotes even pesticide coverage for improved efficacy
- Reduces surface tension of the spray solution which results in more uniform wetting and spreading
- Slows drying and improves penetration

### Principle Functioning Agents

A proprietary blend of Alkyl Aryl Ethoxylates & Water Conditioning Agents. ....	80%
Constituents Ineffective as Spray Adjuvant .....	20%
Total .....	100%

All ingredients are exempt from the requirement of a tolerance per 40 CFR 180. U.S. Patent 5,278,132



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# Application Rates and Use

BRANDT INDICATE 5 may be applied in a wide range of climates and can be used on most crops. BRANDT INDICATE 5's built-in pH indicator will turn the spray water pink as soon as the optimum pH level is reached. Always read full label before use.

**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 BRANDT INDICATE 5 to be added to the spray water is indicated by the color: pink at pH between 4.5 to 5.5.

pH 8.2

pH 6.8

pH 6.5

pH 6.3

pH 5.3

pH 4.5



## Directions for Use

**Mixing Instructions:** Fill the tank almost to the top leaving just enough head space to mix in the rest of the chemicals once the water has been treated. Add desired amount of BRANDT INDICATE 5 or until solution turns pink for a pH between 4.5 - 5.5. Fill tank with balance of fertilizer or water. Add other chemicals. Agitate adequately to mix. If the tank mix solution turns clear upon the addition of the remaining chemicals and water, add additional BRANDT INDICATE 5 until tank mix solution turns pink. BRANDT INDICATE 5 is compatible with most fertilizers and pesticides. Check compatibility by utilizing jar test before mixing.

**Note:** This product has demonstrated excellent plant safety; however not all species of plants have been tested. Before treating a large area, test on a small area and observe results prior to full scale applications.

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

WATER HARDNESS	TOTAL DISSOLVED SALTS	CONDUCTIVITY S/cm	RATE (FL.OZ.) PER 100 GAL
SOFT	0-100	0-200	5-6
MEDIUM	100-200	200-300	6-7
MEDIUM HARD	200-250	300-400	7-10
HARD	250-300	400-450	10-20
VERY HARD	300-400	450-500	20-30
EXTREMELY HARD	400+	500+	30+

For more information, talk to your local ag retailer about BRANDT INDICATE 5 or contact BRANDT at 800 300 6559 or email [info@brandt.co](mailto:info@brandt.co)