

**DIRECTIONS FOR USE:**

The pH and hardness of spray solutions may have a marked effect on the ultimate performance of systemic and alkaline-sensitive pesticides and foliar applied nutrients. Such pesticides and foliar nutrients generally perform best at a pH ranging from 4.5 – 5.5.

BB5 Natural can be used to ensure optimum results by adjusting spraywater to the required pH. BB5 Natural contains a pH sensitive indicator which changes the colour of spray water to either a shade of pink or red when the optimum pH range of 4.5 – 5.5 is reached.

Soft water requires a low concentration of BB5 Natural and turns pink immediately upon reaching the desired pH. Hard water on the other hand needs a higher concentration of BB5 Natural and in this instance a gradual colour change from blue to pink colour (pH 4.5 – 5.5) will be observed.

The following table serves as an indicator of the quantity of BB5 Natural required to adjust waters of different hardness to the desired pH range of 4.5 – 5.5.

AMOUNT OF BB5 TO BE ADDED TO VARIOUS TANK SIZES TO OBTAIN OPTIMUM pH (4.5-5.5)		
WATER HARDNESS RATING	ml/100 litres	oz/100 gal
SOFT	40 – 50 ml	5 – 7 oz
MEDIUM – SOFT	50 – 60 ml	7 – 8 oz
MEDIUM – HARD	60 – 80 ml	8 – 11 oz
HARD	100 – 180 ml	11 – 25 oz
VERY HARD	180 – 220 ml	25 – 31 oz
EXTREMELY HARD	220 – 270 ml	31 – 38 oz

\*If the desired colour change is not observed after adding the selected quantity of BB5 Natural the optimum pH range has not yet been reached. Continue adding BB5 Natural in small quantities at a rate of 10ml/100L water (with constant agitation) until the correct shade is obtained.

N.B. Always mix BB5 Natural thoroughly with water before adding pesticides or foliar feeds. A routine check on the pH after addition of the required rate of BB5 Natural is advisable.

# BB5 Natural

US PATENT 5,278,132

**A wetter, spreader, acidifier buffer with pH indicator for use with alkaline sensitive systemic and contact pesticides and foliar feeds.**

**Principal Functioning Agents**

Phosphoric Acid, Polyols and pH indicator 74%

**Constituents ineffective as spray adjuvant** 26%

Total: 100%

- BB5 Natural contains a combination of nonionic and anionic components and is suitable for ground and aerial applications.
- BB5 Natural reduces and buffers the pH of the spray solution.
- BB5 Natural contains a unique pH indicator that turns the colour of the spray water pink when the optimum pH range of 4.5 – 5.5% has been reached.
- BB5 Natural prevents rapid hydrolysis (degradation) of alkaline sensitive pesticides such as organo-phosphates, carbamates, synthetic pyrethroids and chlorinated hydrocarbons. **- WARNING -**

**Net Contents: 2.5gal. (9.46L)**  
**Net Weight: 25 lb. (11.4 kg)**

Although this buffer has been extensively tested under a large variety of conditions the distributor does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as climatic and storage conditions: Quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest or diseases against the pesticide used as well as by the method, time and accuracy of application. The distributor furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the buffer concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen. The buyer assumes all risk with use. The seller warrants that the product conforms to its chemical description. Consult the supplier in the event of any uncertainty.

**PRECAUTIONARY STATEMENTS:** **- WARNING -**

- Causes eye and skin irritation. • Harmful if swallowed.
- Do not get in eyes, on skin, or clothing.
- Avoid prolonged contact with concentrate. Prevent contamination of eating utensils, food, drinking water and feeds.

**PRECAUTIONARY MEASURES:**

- Stable under normal storage conditions. Store away from food and feedstuff. BB5 Natural is corrosive and should not be stored in metal containers. Destroy empty containers.
- Keep away from strong oxidizing agent and acids.
- Wear rubber or impervious gloves when handling the product.
- Wear MSHA/NIOSH approved mask, goggles, standard workgear (protective clothing) when handling the product.

**FIRST AID MEASURES:**

- If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical advice if irritation persists.
- If on skin or clothing, immediately remove contaminated clothing. Flush skin with running water for at least 20 minutes and seek medical advice if irritation persists. Wash clothing before reuse.
- If swallowed, do NOT induce vomiting. Have victim drink one to two glasses of water to dilute material in stomach, if milk is available it may be given after water. Seek medical advice.

**Refer to Material Safety Data Sheet for further information.**

- Shake well before use. Keep from freezing.

**Keep away from children.**

Manufactured by:



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