

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 can be used to ensure optimum results by adjusting spraywater to the required pH. BB5 contains a pH sensitive indicator which changes the color 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 and turns pink immediately upon reaching the desired pH. Hard water on the other hand needs a higher concentration of BB5 and in this instance a gradual color change from yellow to orange and finally a deep pink color (pH 4.5 – 5.5) will be observed.

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 color change is not observed after adding the selected quantity of BB5 the optimum pH range has not yet been reached. Continue adding BB5 in small quantities at a rate of 1.3 oz/100gal water (with constant agitation) until the correct shade is obtained. N.B. Always mix BB5 thoroughly with water before adding pesticides or foliar feeds. A routine check on the pH after addition of the required rate of BB5 is advisable.



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

Acidulent (Inorganic Acid) 25%
Polyols 35%
Inert Solvents 40%

- **BB5 contains both ionic and anionic components and is suitable for ground and aerial applications.**
- **BB5 reduces and buffers the pH of the spray solution.**
- **BB5 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.**
- **BB5 prevents rapid hydrolysis (degradation) of alkaline sensitive pesticides such as organo-phosphates, carbamates, synthetic pyrethroids and chlorinated hydro-carbons.**

Net Contents: 1 gal. (3.78 L)

Net Weight: 10.05 lbs. (4.56 kg.)

Batch No. 050116-

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 action and effect thereof may be affected by factors climatic and storage conditions: Quality of dilution water compatibility with other substances not indicated on 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 caused due to failure of the user to follow the label instructions to the occurrence of conditions which could not have been foreseen. The buyer assumes all risk with use. The distributor warrants that the product conforms to its chemical description. Consult the supplier in the event of any uncertainty.

RISK PHRASES:

- Product is non-flammable.
- Eye and skin irritant.
- Avoid prolonged contact with concentrate. Prevent contact of eating utensils, food drinking water and feeds.

PRECAUTIONARY MEASURES:

- Stable under normal storage conditions. Store away from food and feedstuff. BB5 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 work clothes (protective clothing) when handling the product.

FIRST AID MEASURES:

- Flush affected eyes with running water for 15 minutes.
- Wash affected skin areas with soap and water.
- When ingested, induce vomiting and seek medical advice.

Refer to Material Safety Data Sheet for further information.