

NEW BALANCETM

PH BUFFER AND NONIONIC SURFACTANT

PRINCIPAL FUNCTIONING AGENTS:

Alkyl Polyethoxy Ether.....	20.0%
2-hydroxy-1, 2,3-propane-tricarboxylic acid.....	19.0%
Dimethyl poly siloxane antifoam.....	1.0%
Formulating aids and inert ingredients.....	60.0%
TOTAL	100.0%

All ingredients are approved for use under CFR 40, 180.1001(c).

CAUTION

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Before using this product, read the entire label, including the conditions of sale.

May cause irritation to skin and eyes. Ingestion of large amounts may cause mucosal irritation, dizziness, nausea, and possible vomiting.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Give a large amount of water to drink. Induce vomiting. Seek medical attention immediately.

If Inhaled: Remove to fresh air.

If in Eyes: Flush with water for 15 minutes. Seek medical attention immediately.

If in Skin: Remove contaminated clothing. Wash skin contact area with plenty of soap and water.

GENERAL INFORMATION

NEW BALANCE is a safe-to-use, citric-based pH acidifier and nonionic surfactant specifically designed to modify spray solution pH when breakdown from alkaline hydrolysis can reduce insecticide and fungicide performance.

Many pesticides lose their effectiveness when mixed with alkaline water. A chemical reaction, known as alkaline hydrolysis, splits the pesticide molecule and converts it into an inactive form. The rate of decomposition is determined by the chemical construction of the pesticide and the level of alkalinity of the spray water. NEW BALANCE lowers the pH of the spray water to prevent alkaline hydrolysis from occurring. For most pesticides, the desirable pH is in the range of 4.0-6.5. NEW BALANCE also increases the wetting and spreading properties of a spray solution, improving coverage and control of the pesticide.

DIRECTIONS FOR USE

FOR USE WITH PESTICIDES REGISTERED FOR AGRICULTURAL, AQUATICS, FORESTRY, INDUSTRIAL, MUNICIPAL, NONCROPLAND, RIGHTS-OF-WAY, AND OTHER APPROPRIATE USES.

The addition of adjuvants to some pesticides and or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. Before using NEW BALANCE, the applicator or crops advisor must have experience with the pesticide combination, including NEW BALANCE, or must have conducted a phytotoxicity test. Check the pesticide label to determine the desired pH level. Always follow label directions. Check the pH of the spray water with a pH meter or pH paper.

USE RATES

The chart below indicates the pH reduction capabilities of NEW BALANCE.

SOLUTION pH BEFORE	OZ. OF NEW BALANCE/ 100 GALS. OF SPRAY SOLUTION	% VOLUME	SOLUTION pH AFTER
8.0	0	0.000	8.0
8.0	8	0.063	5.7
8.0	16	0.125	4.5
8.0	24	0.187	4.0
8.0	32	0.250	3.6
8.0	40	0.313	3.4

MIXING

Always mix this product in accordance with the instructions concerning additives found on the pesticide label.

In the absence of specific mixing instructions, fill the spray tank 1/2 to 2/3 full with clean water. While the water is agitating, add NEW BALANCE first and then add other adjuvants in the following order:

- 1) Add NEW BALANCE first to prevent alkaline hydrolysis
- 2) GUNDOWNTM or KNOCKDOWNTM Antifoam/Defoamer at 1-4 oz./100 gal.
- 3) Ammonium Sulfate, fertilizers, micro nutrients
- 4) Dry flowables and dispersible granule pesticides
- 5) Flowable pesticides
- 6) Water-soluble pesticides
- 7) Emulsifiable concentrate pesticides

Maintain agitation while spraying to ensure a uniform spray mixture.

STORAGE AND DISPOSAL

Protect product from freezing. If product freezes, warm to room temperature before use. Store in original container only and do not reuse empty container. Rinse container thoroughly and dispose of the container in accordance with local, state and federal regulations.

CONDITIONS OF SALE

Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, Inc. warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.

S P E C I M E N L A B E L

NEW BALANCE, GUNDOWN and KNOCKDOWN are trademarks of PRECISION LABORATORIES, INC.
© 1991 PRECISION LABORATORIES, INC. Waukegan, IL 60085 USA
For 24-hour technical assistance when using this product in the USA and Canada, call: 1-800-323-8351
For 24-hour emergency service when using this product in the USA and Canada, call CHEMTREC: 1-800-424-9300
5/23/05

