

Surfare

Surfactant
Penetrating
Moisturizer

Acidifier and pH indicator

guaranteed analysis

MAJOR ELEMENTS	% P / V
Polyalcohols and glycols with moisturizing, penetrating.	30.0
Acidifier and pH regulators	26.0



Available in three presentations:
250 ml, 1 lt and 20 lt

general information

Surfare is a multifunctional liquid surfactant of high concentration of different active ingredients which allow to have a high moisturizing power, penetrating and acidifying. When used properly, brings the following benefits:

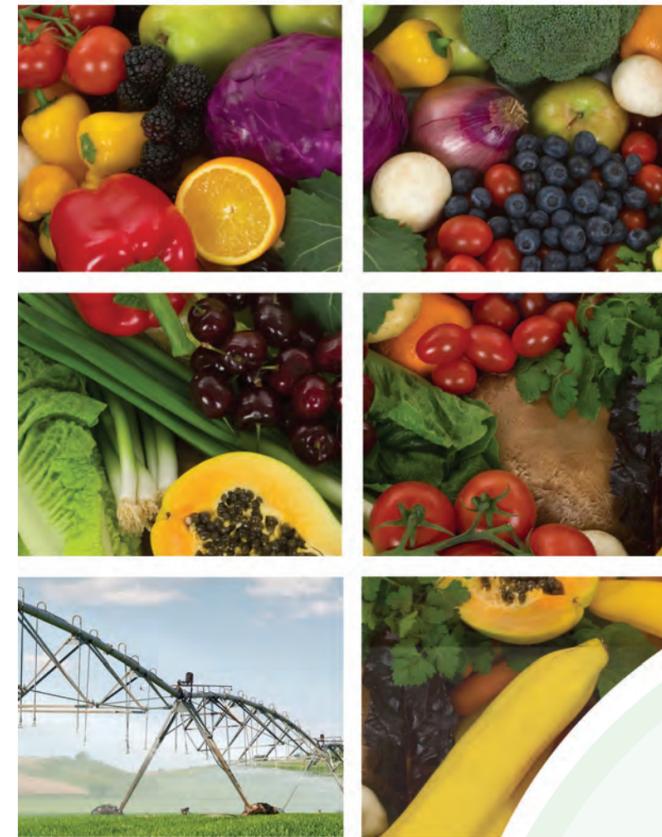
- 1) Reduces the superficial tension of the water used to spray, favoring the moisturizing and penetration of agrochemicals or applied nutrients.
- 2) Reduces the pH of the water used to spray.
- 3) Avoids the possible decomposition of the several agrochemicals which, due to alkaline hydrolysis, are altered in their efficiency.

- 4) It helps to improve the speed of penetration for agrochemicals or applied nutrients, increasing their efficiency.
- 5) Indicates with a color change the pH of water until the desired pH level is achieved. When it turns pink, water has a pH between 5.0 and 4.5, which is the adequate pH to get the highest effectiveness on most of the agrochemicals of common use.
- 6) It is highly compatible with the agrochemicals of common use, without altering their composition.
- 7) Thanks to its high concentration, the quantity to use is very small.

warning and cautions for use

Surfare is a slightly toxic product, however, it is convenient to follow all the basic cautions for the proper use and handling of pesticides, such as: wearing protective clothing (overall), lenses or goggles, cap, mask, gloves and rubber boots.

Avoid eye or skin contact, as well as inhalation or product ingestion. Not smoking, eating or drinking during the use, handling or product application.



TYPE OF PRODUCT	DOSES
Insecticides, fungicides, desiccants, foliar nutrients, post-emerging herbicides	From 0.5 to 1.5 ml / liter of water to mix, as requested by the pH and the hardness of used water
Translocation herbicides and directed contact herbicides	From 1 to 2 ml / liter of mixing water
Pre-emerging herbicides and liquid fertilizers to soil	From 500 to 600 ml for hectare

DOSAGE: ml SURFARE/100 liters OF WATER

		HARDNESS AND INITIAL WATER pH (ppm CaCO3)							
		200 ppm pH=6.20	300 ppm pH=6.51	390 ppm pH=7.41	520 ppm pH=7.43	620 ppm pH=7.47	720 ppm pH=7.49	790 ppm pH=7.03	
Final PH of water to spray	5.0	29	36	100	123	145	173	173	Dosage: ml of SURFARE/ 100 liters of water
	4.5	36	50	110	134	159	181	188	
	4.0	40	55	114	140	163	188	196	

Surfare is mixed with water used to spray before adding any other agrochemical. To determine optimal pH is recommended the use of a potentiometer or the use of litmus paper.

instructions for use

Surfare is a surfactant, penetrating, moisturizer, acidifying and pH indicator of high concentration and solubility. It has been specifically designed as adjuvant for the foliar application of agrochemicals.

mixing instructions

Surfare is a soluble in water. To get the best mixing, proceed as it follows:

- 1) Put 75% of water to use in the mixing tank and start shaking.
- 2) Condition the water with **Surfare** adding it slowly until the color water changes to pink. Then, the pH of water will be between 5.0 and 4.5
- 3) Add the nutrients and/or agrochemicals to spray.
- 4) Finish adding the rest of the water for applying, previously conditioned.

NOTE: It is recommended to determine first the estimated dosage required, adding **Surfare** slowly in a liter of water. This way, if 1 ml of **Surfare** was used to change the color of water to pink, then it will be required 100 ml of product for each 100 liters of water to spray.

calibration

ALWAYS CALIBRATE YOUR APPLICATION EQUIPMENT. Before use, SHAKE VIGOROUSLY THE PRODUCT INSIDE THE BOTTLE. Measure the quantity of **Surfare** to use, according to the use recommendations and do not exceed the recommended doses. To get the best results, follow the mixing instructions.

incompatibility

Surfare is compatible with most of the agrochemicals of common use, however, it is always advisable to do a small compatibility test, before mixing it with other products.

warranty advice

GERMINARE, S.A. DE C.V. ensures that the content of the bottle is found in conformity with the specifications of its label. Due to the fact that the use of the product is out of control from GERMINARE, there is no expressed or implicit guarantee over the inherent effects and/or results of its use, whether if it is or it is not used according to the instructions provided. The buyer accepts all risks for use and handling of the product.



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