

**pH corrector fertilizer with surfactant, humectant and penetrating action.**

Technology pH corrector with color indicator

**Mafa-control** acts as a pH regulator of phytosanitary mixture to adjust the desired values.

Designed to enhance the wetness effect of phytosanitary mixtures as well as its penetration.

It contains a pH indicator compound, which turns into red color while it is acidic, while the mixture is neutral or basic, it turns into yellow color.

## REGULATOR



Foliar feeding



1 L



5 L



20 L



There are two types of hydrolysis (the rupture of molecules bond by addition of water):

**Acid hydrolysis:** the rupture is carried out under acid conditions (pH<7), this process affects a few plaguicides

**Alkaline hydrolysis:** the rupture is carried out under basic conditions (pH>7), this process affects a lot of plaguicides

Application method and doses	Crops	Observations																															
	It is recommended for all type of crops	<p>Mafa-control is added to the spray tank, before using any phytosanitary products to avoid the degradation of these last ones, when are in contact with water treatments. The dose recommended is 100-250 cc/hl and depend on water pH and hardness.</p> <p>For solution that has a high pH, it is necessary to increase the dose, and if there is a high organic matter in suspension. The recommended medium pH levels for optimal effectiveness of phytosanitary products is 4-5 for herbicides in general and 6-7 for hormone products, insecticides and fungicides in general. Do not exceed the recommended dose.</p> <table border="1"> <thead> <tr> <th colspan="4">for each 100 liters of water</th> </tr> <tr> <th>pH</th> <th>100 cc</th> <th>200 cc</th> <th>300 cc</th> </tr> </thead> <tbody> <tr> <td>7,0 - 7,5</td> <td>5,50</td> <td>4,00</td> <td>3,50</td> </tr> <tr> <td>7,5 - 8,0</td> <td>5,90</td> <td>4,80</td> <td>3,90</td> </tr> <tr> <td>8,0 - 8,5</td> <td>6,25</td> <td>5,20</td> <td>4,45</td> </tr> <tr> <td>8,5 - 9,0</td> <td>6,75</td> <td>5,95</td> <td>5,00</td> </tr> <tr> <td>9,0 - 9,5</td> <td>7,25</td> <td>6,35</td> <td>5,45</td> </tr> <tr> <td>9,5 - 10</td> <td>8,00</td> <td>7,00</td> <td>6,00</td> </tr> </tbody> </table>	for each 100 liters of water				pH	100 cc	200 cc	300 cc	7,0 - 7,5	5,50	4,00	3,50	7,5 - 8,0	5,90	4,80	3,90	8,0 - 8,5	6,25	5,20	4,45	8,5 - 9,0	6,75	5,95	5,00	9,0 - 9,5	7,25	6,35	5,45	9,5 - 10	8,00	7,00
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Physical properties	Formulation	Color	pH (liquid solution)	Density (g/cm <sup>3</sup> ) 20°C	Conductivity E.C. -1% (mS/cm) 18°C
	Liquid	Red	1	1,25	0,83 mS/cm

Composition p/p	Total nitrogen (N)	Ureic Nitrogen (N)	Phosphorus anhydride (P <sub>2</sub> O <sub>5</sub> ) water soluble
	3%	3%	25%