

## WHAT DOES IT DO?

Generates good soil structure to promote root growth, moisture, and aeration.

## HOW DOES IT WORK?

**Promesol<sup>5</sup> X** is composed of concentrated extracts from different grain hulls and **\*ECCA Carboxy\*** which promotes aggregate formation of soil particles that generate a good balance of macro and micro pores, making a spongy soil that is easily handled.

## CHARACTERISTICS

PHYSICAL PROPERTIES			
pH: 5.0 to 6.5 at 20 °C	Physical State: Liquid		Color: Brown
Density:1.10 – 1.16 g/cm³ at 20 °C	Non-corrosive Non-flammable		
PROPIEDADES GENERALES			
<b>Storage:</b> Keep closed in a well-ventilated and dry place, store at temperatures below 20 °C	<b>Environmentalism:</b> Non residual, low impact	<b>Incompatibility:</b> Do not mix with stronger oxidizers	<b>Toxicity:</b> Slightly toxic

## SPECIFICATIONS

ACTIVE INGREDIENT	%w/w
Polyhydroxycarboxy Acids (PHCA)	12.5%
Total other ingredients	87.5%

## INCOMPATIBILITY

Always perform an incompatibility test prior to mixing.

## DOSE

CROP	DOSE	APPLICATION / TIMING
<b>Solanaceae</b> (Peppers, tomato, bell pepper, eggplant)	0.5 to 1 gal/ac	Initial soil conditioning application of 1 to 1.5 gal/ac. The next soil maintenance applications of 0.5 to 1 gal/ac at blooming and beginning of fruit development stages.
<b>Cucurbits</b> (Watermelon, melon, zucchini, cucumber)	0.5 to 1 gal/ac	Initial soil conditioning application of 1 to 1.5 gal/ac. The next soil maintenance applications of 0.5 to 1 gal/ac at blooming and beginning of fruit development stages.
<b>Cruciferous</b> (Cabbage, broccoli, cauliflower)	0.5 to 1 gal/ac	Initial soil conditioning application of 1 to 1.5 gal/ac. The next soil maintenance applications of 0.5 to 1 gal/ac at the development of the inflorescence.
<b>Bulb vegetables</b> (Onion, garlic, scallions)	0.5 to 1 gal/ac	Initial soil conditioning application of 1 gal/ac at transplant and 0.5 gal/ac additional for soil maintenance during vegetative development and bulb formation.
<b>Berries</b> (Blackberry, blueberry, raspberry, strawberry)	0.5 to 1 gal/ac	Initial soil conditioning application of 1 gal/ac at the beginning of the vegetative development and continue with maintenance applications of 0.5 gal/ac on the important period of fruit development.
Papaya	0.5 to 1 gal/ac	Initial soil conditioning from since transplant and depending on the soil characteristics divide on the season 2 to 3 maintenance applications that prevent any root stress at the blooming and fruit development
Banana	0.5 to 1.5 gal/ac	Initial soil conditioning at vegetative development and continuous maintenance applications at blooming and fruit development.
<b>Ornamentals</b>	0.5 to 1 gal/ac	Start at budbreak and apply for maintenance at foliage development and the opening of the flower buttons.
<b>Temperate fruit trees</b> (Apples, peaches, grapes)	1 to 1.5 gal/ac	Initial conditioning at the end of dormancy, noticing the first root activity or sap flux. Maintenance application on blooming and fruit development periods.
<b>Tropical fruit trees</b> (Avocado, citrus, pineapple, cacao)	1 to 1.5 gal/ac	Initial soil conditioning at the beginning of budbreak and maintenance applications during blooming and fruit development.
Potato	1 to 1.5 gal/ac	Applications at sowing, tubers formation and bulking. Aplicaciones en fases clave del desarrollo del cultivo como siembra,
Asparagus	1 to 1.5 gal/ac	Apply 10 days before each vegetative flux.
Beet root, jicama, carrot	1 to 1.5 gal/ac	Apply at the beginning of tuber formation.

\*The dose and frequency of the applications depends directly on the soil characteristics where the crop is established.

## BENEFITS

- Makes the soil less compact allowing better development of the crop.
- Facilitates soil management practices.
- Enhances crop use of irrigation and rainwater.
- Facilitates the growth and harvest of tubers, bulbs, and roots that grow underground.

## USE

**Promesol<sup>5</sup>X** is for general use on every kind of crop and can be applied through a drip system, micro sprayer, or by row directly to the plant stem base.

To prepare the solution

- Shake the container, unscrew the lid, and remove the safety seal
- Measure the recommended volume with a graduate container and pour into a bucket for dilution
- Pour the solution into the fertilizing tank when it is half full
- Mix and complete filling the tank to the final volume
- Apply through the irrigation system a third of the way through the irrigating period.

**Drip system:** Apply directly with irrigation or dilute in an adequate amount of water or liquid fertilizer for a good distribution on the area, applying later in the irrigation process.

**Fertigation:** Application can be distributed throughout the growing season. It can be applied with a fertilizing tank either alone or mixed with a nutrient solution.