



MAS-Power Active Frost™

100%
Organic

MAS-Power Active Frost is a nutritional, powerful anti-stress liquid package designed to mitigate frost stress factors and reduce accumulation of ice crystals which are so damaging to young plant tissues and blossom.

Active Frost is a combination of Boron, combined with carefully chosen plant amino acids and the addition of 30% of Engage's proprietary MAS anti-stress concentrate.

Crops

Brassicas, leafy salads, root crops, legumes, tree fruit, vines, fruiting vegetables, soft fruit, citrus fruit and ornamentals.

Benefits

- ▶ Active Frost coats plant tissues to disrupt the formation of ice crystals which induce internal thermic reduction to increase the formation of ice in cells.
- ▶ It provides localised changes in intracellular fluid content which increases the time it takes to form ice in cells and reduces the risk of long-term tissue damage.
- ▶ Active Frost also penetrates tissues to provide and stimulate the production of compounds within cells and intracellular spaces. This dramatically reduces the stress response induced compounds produced during cold stress, again reducing long term damage, and aiding rapid tissue recovery.

10 litres e



Application

Active Frost can be applied in two ways:

Single Application

Apply Active Frost from 24-48 hours before a frost event as a 0.5% solution (5mls per litre) at normal spray rates for the growing crop.

Engage recommend multiple applications of Active Frost to cover cold periods.

Apply in a minimum of 200L for vegetable crops and 300-400L for perennial species. For crops requiring higher water rates amend the application to adhere to the 0.5% solution. Once applied the effects of Active Frost will last for 4-6 days and cover multiple chilling events.

Regular Application

For continual cold periods where tissue acclimatisation has not been possible e.g early spring, Active Frost can be applied weekly at 0.5% solution. This will give continual support to plant tissues, protect against frost and cold damage and replace will with also enhance growth factors for the applied crop. Apply in a minimum of 200L for vegetable crops and 300-400L for perennial species. For crops requiring higher water rates amend the application to adhere to the 0.5% solution.

For more detailed applications and timings please contact your local Engage Advisor or visit engagecropsolutions.com

Components of Active Frost

30%	Mas Power Anti-Stress concentrate
12%	Selected plant L-Amino acids
29%	Co-formulants
0.2%	Boron

Compatibility

Active Frost is compatible with most agrochemicals and nutritional products however when mixing with multiple products or new products for the first time, a simple jar test is recommended.

It is important to note that unhealthy or weak plant tissues or crops are more susceptible to frost and we always recommend a full programme of nutrient support to allow early tissue growth to be strong during the late frost period. Active Frost is a nutritional product and as such we cannot guarantee that it will be 100% effective against extreme frost events.