

Despert

Dormancy-breaking promoter

EC FERTILIZER

NITROGEN FERTILIZER SOLUTION WITH CALCIUM

In regions with mild winters, a failure to meet chilling hour requirements leads to irregular bud break, poor bud fertility, and reduced yield potential. DESPERT is a natural biostimulant containing components that mimic the effects of cold on plants and stimulate the metabolic reactivation of buds, thereby enhancing and synchronizing bud break, flowering, and fruit set. Dormancy can be defined as a temporary suspension of visible plant growth. This state persists until the plant has accumulated a specific number of chilling hours; once this threshold is reached—provided temperatures are sufficiently high—the buds open and shoots develop. Sometimes, the required number of chilling hours is not met, or is reached late; consequently, the plant fails to sprout normally or does so with a significant delay, resulting in very low yields and fruit that is smaller and sometimes deformed. Enriched with nitrogen, calcium, polysaccharides, and amino acids, DESPERT overcomes prolonged bud dormancy by enabling the plant to initiate the metabolic processes that break the dormant state.

DESPERT should be used in conjunction with the mineral activator LETARGY to optimally support the plant's heightened enzymatic activity.

- Advances and synchronizes bud break and ripening in table grapes, cherries, and kiwifruit.
- Reduces the number of blind buds.
- Increases the number of flowers and clusters.
- Reduces the number of harvesting passes.
- Increases both yield quantity and quality.

COMPOSITION (% w/w)

Total Nitrogen (N) 16
Ammoniacal Nitrogen (N) 7
3.5 Nitric Nitrogen (N) 7
Ureic Nitrogen (N) 5.5
Calcium Oxide (CaO) 6

PHYSICAL PROPERTIES

pH (1% solution) 5
Density (g/ml, 20°C) 1.35
Color Light yellow

FORMULATION

Liquid

PACKAGING

20 L container
1000 L tank

PACKING

32 x 20 L containers; 1000 L tank

APPLICATION

Foliar



20 L



1000 L

MODE OF USE	CULTURE	DOSES	WHEN TO APPLY IT
Foliar	Cherry tree	5–6 L/100 L of solution, combined with 7 L of LETARGY—i.e.: 5 or 6 L of DESPERT + 7 L of LETARGY + 86 or 87 L of water	A single application in areas with fewer than 500 chill hours ($T < 7^{\circ}\text{C}$). Apply to dormant plants 45–55 days before bud break, ensuring optimal and uniform coverage.
	Table grapes	6–8 L/100 L of solution, combined with 10 or 12 L of LETARGY—i.e.: 6 or 8 L of DESPERT + 12 L of LETARGY + 82 or 80 L of water	
	Actinidia		

Precautions: The product must be applied exclusively with its activator, LETARGY. Do not apply the product to plants younger than 3 years old. Do not apply in areas that have experienced more than 500 hours of cold temperatures ($T < 7^{\circ}\text{C}$). Do not apply at temperatures below 6°C . Avoid spray drift. Avoid applying oils in close succession (allow a 12–15 day interval). Thoroughly wash the equipment used to apply the solution. Shake the product well before use. Conduct preliminary tests before mixing with other products. Adhere to the specified dosage rates. The product is non-combustible and stable under ordinary temperatures and pressures. Store the product in a well-ventilated area at temperatures between $+5^{\circ}\text{C}$ and $+30^{\circ}\text{C}$.

