

**BUD BREAKING
AGENT****BLU** PRINS[®]

BLUPRINS
should always
be associated with
BLUACT

- ✓ **ADVANCES AND UNIFORMS
SPROUTING AND FLOWERING
IN TABLE GRAPE, CHERRY,
AND KIWIFRUIT**
- ✓ **REDUCES THE NUMBER
OF BUDS THAT DO NOT BURST**

COMPONENTS

Amino Acids, Polysaccharides, Nitrogen, Calcium.

MODE OF ACTION

BLUPRINS is a concentrated gel formulation for breaking bud dormancy in warm-winter regions where plants do not receive adequate chilling temperatures. By applying **BLUPRINS**, buds undergo advanced and synchronous release from dormancy, optimizing and uniforming flowering, fruit set and ripening. **BLUPRINS**:

- **mimics the effects of cold exposure:** due to the high Calcium content, **BLUPRINS** sends to buds the same physiological signals for dormancy release that the plant naturally gives following adequate exposure to chilling temperatures;
- **stimulates the resumption of bud metabolism:** **BLUPRINS** supplies readily available nutrients (Polysaccharides, Amino Acids, Nitrogen) which promote enzyme activity in bud tissues.

METHODS OF APPLICATION

BLUPRINS must always be associated with **BLUACT** to sustain the increase in bud metabolism:

	TIME OF APPLICATION	DOSAGE		WATER VOLUME
		BLUPRINS	BLUACT	
Cherry	60/45 days before flowering	4%	16–20%	800–1000 L/ha
Table grape	60/45 days before bud burst	4%	16–20%	400–600 L/ha
Kiwifruit	60/45 before bud burst	4%	16–20%	400–600 L/ha

Example:

In 400 L of water 16 L (4 L every 100 L of water) of **BLUPRINS** + 64 L (16 L every 100 L of water) of **BLUACT** should be added, in order to obtain 480 L of solution to be distributed per hectare.

► Please consult the Technical Service for application advice in specific crop and pedoclimatic conditions.

ANALYSIS

	BLUPRINS w/w	BLUACT w/w
Total nitrogen (N)	8.7%	15%
Organic nitrogen (N)	0.7%	/
Nitric nitrogen (N)	4%	9%
Ammoniacal nitrogen (N)	4%	6%
Organic Carbon (C)	5.5%	/
Calcium oxide (CaO)	/	7%

PHYSICO-CHEMICAL PROPERTIES

pH (1% solution)	5.8±0.5	6.4±0.5
Density (at 20° C)	1.15 kg/L	1.37 kg/L

WARNING

- Do not use on plants younger than 3 years of age;
- Apply in areas with less than 500 chilling hours ($t < 7.2^{\circ}\text{C}$);
- May determine phytotoxicity on plants that are weak or not properly lignified;
- Any treatment with mineral oils should be carried out at least 8–10 days after the application of **BLUPRINS**+**BLUACT**.
- Do not apply when temperatures are lower than 5°C .
- Avoid applying the product (even by drifting) on vegetating or evergreen crops (i.e. olive, citrus etc).

**APPLICATION:****PACKAGING**

BLUPRINS	5–20 L
BLUACT	20–200 L