



## Growth Regulators

### Protone 20 SG

#### Soluble Granules

Plant Protection Division License. No.: 4045/זח/10

#### Vine Growth Regulator

**Package: 1 Kg**

**Contains:** 20% s-aba (Absciscic acid)

**General:** Proton is based on the S-ABA natural growth hormone for improving and enhancing the red color in grapes.

#### Instructions for Use

| Crop                                      | Objective                    | Spray Time                                                                                              | Concentration in ppm | Product g/100l water/dunam | Spray Volume                                                                                                                                                                                                                                                          | Surface                                            |
|-------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------|----------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Grapes<br>Species:<br>Crimson<br>Seedless | Enhancing red color in grape | One week after bunch color change (Bochal – when most bunches (80-90%) have soft grapes or 10-12% brix) | 400                  | 200                        | 100l/dunam to thoroughly wet all grapes, without reaching grape dripping. Where the said volume has dripping, spray at a lower volume, but it is important to maintain dosages of 80-120g/dunam when spraying with Ethrel or ~200g/dunam when spraying without Ethrel | Combined with Triton X-100 at 0.025% concentration |
| Species:<br>Flame<br>Seedless             |                              | Upon grape color change (Bochal)                                                                        | 400                  | 200                        |                                                                                                                                                                                                                                                                       |                                                    |

**Notes:**

- Spray with farm equipment only, not manually or with guns.
- Optimal results will be attained by spraying with a blower with nozzles generating small droplets.
- Spray with high power wind blower at ~3KpH to guarantee uniform coverage of all bunch grapes, **but avoid reaching grape dripping.**
- Spray when temperatures are low and humidity is relatively high (evening/night/early morning) to enable slow spray drying.
- Do not spray if there is a forecast for a heat wave (aridity and temperature higher than 35°C) in the 2-3 days after spraying.
- In plots with a history of difficulty to obtain the red color with a single spraying, consider a second spraying one week after the first.