



Seedless Table Grapes

VitaGib® 40% Soluble Powder Plant Growth Regulator

VitaGib® 40% gibberellic acid (GA3) plant growth regulator is highly effective for **reducing thinning costs as well as increasing berry and cluster size**. It also plays a role in the regulation of other plant processes such as flowering, dormancy, and senescence.

Benefits of VitaGib® 40% Applications:

Cluster Stretch Sprays

- For cluster elongation and looser cluster forms. To reduce costs of thinning, allow better air circulation to aid in the control of bunch rot, and increase light penetration which aids in sugar development.
- For Perlette seedless, Flame seedless, Thompson seedless and Raisin, apply 0.7 – 2.2 oz. of VitaGib 40% per acre. Make 1 - 3 applications before bloom when flower clusters are 2 - 7 inches long.

Berry Thinning Sprays

- For decreased berry set, reduced hand-thinning cost and hastened maturity in seedless grapes.
- Make 1 - 4 applications during bloom. Make only 1 - 2 applications for “Other seedless grapes”. When the bloom period is extended, subsequent sprays are to be made 1 -7 days after first application.

Flame seedless:	0.3 – 1.4 oz. of VitaGib/acre	Thompson seedless:	0.7 – 1.8 oz. of VitaGib/acre
Raisin:	0.3 – 1.1 oz. of VitaGib/acre	Other seedless grapes:	0.1 – 1.1 oz. of VitaGib/acre

- **Notes:** At the high end of the prescribed range of rates and number of applications, expect considerably more thinning in young vines or vines with high vigor. For “Other Seedless Grapes”, use caution as some new cultivars are very responsive and over-thin easily. Consult local specialists before thinning unfamiliar cultivars.

Bump Spray

- To initiate the beginning of berry growth in Thompson seedless grapes.
- Make one application between the last thinning spray and the first sizing spray at a rate of 1.4 – 2.2 oz. of VitaGib 40% per acre.

Berry Sizing Sprays

- For larger berries and larger clusters when used in conjunction with established girdling and thinning practices.
- Make 1 - 4 applications beginning when the average berry size reaches target diameter (See below). Timing of the subsequent sprays will be dictated by experience in the vineyard and temperatures occurring between sprays. Sprays made after 15 - 20 days from the first sizing spray are less effective.

Flame seedless:	1.8 oz. of VitaGib/acre	Raisin:	0.4 oz. of VitaGib/acre
Thompson seedless:	2.8 oz. of VitaGib/acre	Other seedless grapes:	0.7 oz. of VitaGib/acre
Perlette seedless:	2.9 oz. of VitaGib/acre		

- **Notes:** In some growing regions and for some cultivars, the higher amounts of gibberellic acid indicated will reduce fruitfulness (cluster counts) the following year. At the high end of the prescribed range of rates and number of applications, a delay in berry skin color development, sugar accumulation and overall maturation has been observed. Consult your local specialist before sizing cultivars with which there is no familiarity.

Berry Sizing Cluster Dip

- To increase berry size.
- Apply 20 - 50 ppm GA3 solution as a dip or direct spray to the cluster when berries reach 12 – 15 mm.
- To prepare dip solution, add 0.1 – 0.25 oz. of VitaGib 40% for every 5 gallons of solution needed.

Consult your local specialist before sizing cultivars with which there is no familiarity.

Important Notes:

- For all grapes, application by ground sprayer is recommended. Apply as a concentrate or dilute spray in sufficient water volume to ensure complete coverage of all flower clusters or berries. For cultivar specific spray rates and timings, see accompanying tables.