



# VitaGib®

## Vegetables

### VitaGib® 40%

#### Soluble Powder Plant Growth Regulator

VitaGib® 40% gibberellic acid (GA3) plant growth regulator is highly effective in **stimulating fruit set, increasing fruit size and overall yields as well as delaying senescence in vegetable crops**. It also plays a role in the regulation of other plant processes such as flowering and dormancy.

### Benefits of VitaGib® 40% Applications:

#### Carrots – Fresh and Processing

- To delay senescence. Maintaining vigorous foliage has been shown to help reduce the incidence of infection by *Alternaria dauci*.
- Apply 0.1 – 0.5 ounces per acre. Make the first application 4 – 6 weeks after emergence using commercial ground or aerial equipment with spray concentrations of 20 – 30 ppm. In severe disease situations or cool weather, a second spray 14 days later is sometimes required to achieve the desired amount of foliar recovery. Do not apply more than twice per crop.
- **Note:** Spray applications at concentrations greater than 0.1 oz./10 gallons (30 ppm) can increase the risk of excessive top growth, particularly with a second application.

#### Celery

- To increase plant height and yield and to overcome stress due to cold weather conditions or saline soils and obtain earlier maturity.
- Apply 0.2 – 0.9 ounces per acre. Make a single application 1 - 4 weeks prior to harvest. Use 25 - 50 gallons of water per acre by ground application or 5 - 10 gallons of water per acre for aerial application (except in California). Use lower concentrations if applying 3 - 4 weeks before harvest and higher concentrations within 1 - 2 weeks before harvest.
- **Note:** Do not apply earlier than 4 weeks before harvest as bolting has been known to occur.

(Not for use in California by aerial application)

## Cucumber

- To stimulate fruit set during periods of cool temperatures.
- Apply 0.1 – 0.4 ounces per acre. Make 1 application prior to bloom followed by 2 additional applications at 10 – 14 day intervals. It is acceptable to use up to 4 applications. Use sufficient water volume for thorough coverage of exposed foliage.

*(Not for use in California)*

## Pepper

- To increase fruit set and promote early season fruit growth.
  - Apply 0.1 – 0.27 ounces per acre. Apply 1 – 2 sprays of 25 – 50 gallons per acre at weekly intervals during the flowering period.
  - **Note:** This use is best for areas with short growing seasons, or when low temperatures slow plant growth. The high rate is most efficacious for areas and/or varieties with pollination and/or fruit set problems.
- To increase fruit size and yield.
  - Apply 0.1 – 0.27 ounces per acre. Apply 1 – 2 sprays of 25 – 50 gallons per acre at the beginning of the picking period.
  - **Note:** The high rate is best for plants with heavy fruit loads.

*(Not for use in California)*

## Spinach, Mustard Greens, Collard Greens and Turnip Greens

- To facilitate harvest, increase yield and improve quality of fall and overwinter.
- Apply 0.4 – 0.9 ounces per acre. Apply a single spray 10 – 18 days before each anticipated harvest on fall or over-winter crops, ideally when temperatures are 40 – 70°F and during early morning hours when dew is present on crop. When applied to promote growth of second cutting, wait until some re-growth has started before spraying. Maximum benefit is obtained when below normal temperatures prevail following application and growth would be otherwise slowed in untreated crops.
- **Note:** Since the promotion of bolting has been known to occur, do not apply after the mid-winter period or if temperatures are expected to exceed 75°F within several days of application. Do not apply on spring plantings.

*(Not for use in California)*