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Elanco Products Company, A Division of Eli Lilly and Company  
Indianapolis, IN 46204, U.S.A.

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**ELANCO** 13-5095  
**Gib-Pak**

Net Contents: 14.4 Grams

A Plant Growth Regulator for Certain  
Agricultural Crops

CAUTION: This product is highly toxic to fish and aquatic life. Do not use in or near water.

EPA Reg. No. 1471-06-AA

47054-12

**CAUTION:** This product is highly toxic to fish and aquatic life. Do not use in or near water.  
**DISPOSAL:** This product is highly toxic to fish and aquatic life. Do not use in or near water.

100-13177

2-55

# Gib-Pak

A Plant Growth Regulator for

- Grapes (seedless)
- Sweet Cherries
- Navel Oranges
- Sour Cherries
- Strawberries (Olympus)
- Artichokes
- Celery
- Rhubarb
- Italian Prunes
- Lemons
- Orlando Tangelo
- Hops

## CONDITION OF SALE

The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the label. All statements made concerning this product apply only when used as directed.

The buyer assumes all risk of the use of this product if not used in accordance with label directions.

Gib-Pak is not to be used on seeded wine grapes.

## General Directions For Use

Add quick-dissolving, effervescent Gib-Pak to the spray tank any time during the tiling operation. One pak per 100 gallons of water gives a 10 ppm solution. Add 2 to 4 ounces of a non-ionic wetting agent per 100 gallons of water. **Note:** To apply in grams per acre, one pak contains 4 grams gibberellic acid.

## Specific Recommended Uses

### Grapes (seedless)

All seedless grapes to elongate clusters, thin and increase berry size.

**Note:** Apply in a sufficient volume of water to insure uniform and thorough coverage.

Grape Variety	Time to Spray	Pak(s) per 100 Gallons of Water	Rate (ppm Concentration)	Maximum Grams per Acre
Seedless Grapes (table)	To elongate clusters, apply before bloom when flower clusters are 3" to 5" long. Wet each cluster thoroughly.	1 to 1½	10 to 15 ppm	9
Seedless Grapes (table) San Joaquin Valley	For thinning, apply at bloom.*	½ to 2	5 to 20 ppm	12
	To increase berry size, apply 1 or 2 applications from shatter to 2 weeks after full bloom. Wet each cluster thoroughly.	2 to 4	20 to 40 ppm	48
Seedless Grapes (table) California and Arizona Interior Areas	To elongate clusters, apply before bloom when flower clusters are 3" to 5" long. Wet each cluster thoroughly.	1 to 1½	10 to 15 ppm	9
	To increase berry size, make 2 applications: 1. Apply at 95% bloom. 2. Apply 7 days later.	2 to 5 each application	20 to 50 ppm each application	48 each application
Seedless Grapes (raisins)	For thinning, apply at bloom.	½ to 1	2.5 to 10 ppm	6

\*CAUTION: Amounts greater than 12 grams per acre may cause an excess in shot berries or over-thinning.

### Lemons

To control fruit maturity by delaying development of yellowing and reduce percentage of small tree-ripe fruit, permitting more flexibility in harvesting and marketing. (Development of Gib-Pak for lemons is based on research conducted in the California area.)

**Timing:** Apply one spray in November or December, prior to appreciable loss of green rind color. Do not apply within one month before harvest. Do not apply in spring and summer.

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**Mixing:** Add one (1) **Gib-Pak** to each 100 gallons of water for the recommended 10 ppm concentration

**Spraying:** Apply as an outside coverage spray at a rate of 500 gallons of water per acre. This will result in the recommended concentration of 20 grams (5 paks) per acre

**Note:** When applications are made two years in succession, an even larger difference will occur in harvest pattern and maturity

### Navel Oranges

Depending upon the desired results, one of the two programs listed below may be followed

**Program I**—To delay the following late-season physiological disorders: rind staining, water spot, sticky surface and rind rupture associated with aging of rind. Intended for use only in groves where late-season harvest is anticipated

**Timing:** Apply one spray in October or November while rind is firm and green. This application provides a greater delay in aging than when a minimum effect on rind color is desired

In situations where color development is late, early sprays may reduce the grade of fruit harvested prior to mid-March due to a persistence of green color

Applications in January and February may cause reduced production the following year. Do not apply just before, during, or just after flowering. Do not harvest within 10 days of application

**Mixing:** Add one-half (1/2) to two (2) **Gib-Paks** to each 100 gallons of water for the recommended 5 to 20 ppm concentration. Do not add to whitewash spray mixtures

**Spraying:** Apply as an outside coverage spray (minimum gallonage application to outside or peripheral parts of tree) at a rate up to 500 gallons per acre for a concentration of 10 to 40 grams per acre

**Program II**—To reduce susceptibility to certain late-season physiological disorders such as rind staining, water spot, tacky rind and rind rupture associated with aging of the rind

**Timing:** Apply one spray in December or January just after marketable color appears. Do not apply just before, during, or just after flowering. Do not harvest within 10 days of application

**Mixing:** Add one-half (1/2) to two (2) **Gib-Paks** to each 100 gallons of water for the recommended 5 to 20 ppm concentration

**Spraying:** Apply as an outside coverage spray (median gallonage application to outside or peripheral parts of tree) at a rate up to 500 gallons per acre for a concentration of 10 to 40 grams per acre

**Note:** 2,4-D (2,4-dichlorophenoxyacetic acid), to produce a final concentration of 8 ppm, may be added to the spray tank along with the **Gib-Paks**

### Sour Cherries

To counteract the effect of cherry yellow virus by stimulating the development of lateral vegetative buds which will produce leaves, spurs and lateral shoots, thus increasing the yield of infected orchards

**Timing:** Apply one thorough spray from 10 to 14 days after bloom, at about the shuck-split stage. Do not spray within one month before harvest

**Mixing:** Add one (1) to two and one-half (2 1/2) **Gib-Paks** to each 100 gallons of water for the recommended 10 to 25 ppm concentration

**Spraying:** Apply as an outside coverage spray on mature orchards using from 200 to 300 gallons of water per acre for a concentration of 8 to 30 grams per acre. Be sure lower limbs are well covered

**Note:** See your local farm advisor for current recommendations issued each year

Annual treatment is necessary to maintain satisfactory fruit spur production and yields from each successive season's growth

The use of too high a concentration will increase leafy growth at the expense of fruit production the following year and excessive fruit production the year after that

### Sweet Cherries

To produce brighter color, firmer fruit and increased fruit size

**Timing:** Apply one spray when the fruit is a light green to straw color. This normally occurs from 14 to 21 days prior to harvest

**Mixing:** Add three-quarters (3/4) to one (1) **Gib-Pak** for each 100 gallons in 500 to 600 gallons of water for the recommended 7.5 to 10 ppm concentration per acre

**Spraying:** Apply as an outside coverage spray to ensure gibberellic acid concentration of 15 to 24 grams per acre

**Note:** This treatment will delay harvest time from 3 to 5 days to allow a longer period for harvest

#### Artichokes

To accelerate maturity

**Timing:** Apply one spray in the Fall prior to November 1. Do not apply within 7 days before harvest

**Mixing:** Add one and one-fourth (1 1/4) Gib-Paks to 50 gallons of water per acre. Recommended concentration is 25 ppm gibberellic acid

**Spraying:** Apply thoroughly to the point of run-off. Be sure the entire plant (leaves, stem and buds) is covered

#### Celery

To increase plant height and yields. To overcome stress conditions of weather and alkaline soils. To obtain earlier maturity

**Timing:** Apply one spray during the period between one to four weeks prior to harvest. Do not apply earlier than four weeks or later than one week before harvest

**Mixing:** Add one-quarter (1/4) Gib-Pak in 50 gallons of water per acre for a 5 ppm solution or add 1 1/4 Gib-Paks in 100 gallons of water per acre for a 12.5 ppm solution. Recommended concentration is 5 to 12.5 ppm

**Spraying:** Apply spray at a rate of 25 to 50 gallons of water per acre with a gibberellic acid concentration of 5 to 10 grams per acre

**Note:** Gibberellic acid applied earlier than four weeks preharvest may induce bolting. Applications made later than seven days preharvest may result in residues

Celery plants must be harvested at maturity to ensure quality

#### Rhubarb

To increase yields of marketable forced rhubarb

**Timing:** Apply spray to crowns within 24 hours after they are brought into the forcing house

**Mixing:** Determine volume of water required and prepare either a 250 ppm or 500 ppm solution per directions specified below under "Spraying"

**Note:** 5 Gib-Paks in 10 gallons of water equals 500 ppm  
2 1/2 Gib-Paks in 10 gallons of water equals 250 ppm

**Spraying:** When the rest period has not been completely broken by cold weather, apply 60 ml of a 500 ppm solution of gibberellic acid to each crown or 30 liters per 1,000 square feet (2 sq. ft. per crown). When the rest period has been broken by cold weather, apply 60 ml of a 250 ppm solution of gibberellic acid to each crown or 30 liters per 1,000 sq. ft. (2 sq. ft. per crown)

Soil and/or dead plant material that is covering the crown buds should be removed by washing prior to spraying

**Note:** Consult your local Agricultural Extension Specialist for forcing house temperature recommendations and additional information. This information should be obtained prior to treatment

#### Strawberries (Olympus)

To increase runner production of mother plants

**Timing:** During the period between 10 to 30 days after planting. Mother plants should have 1 to 6 leaves at the time of spraying

**Mixing:** Add 2 1/2 tablets of Gib-Paks per 50 gallons of water for the recommended concentration of 50 ppm solution

**Spraying:** Apply one spray. Apply spray at a rate of 100 gallons of solution per acre. The recommended concentration of gibberellic acid is 18.9 grams per acre

**Note:** Apply only to Olympus strawberry cultivar. Apply only to mother plants from which no fruit are harvested and which are grown solely to produce runner plants

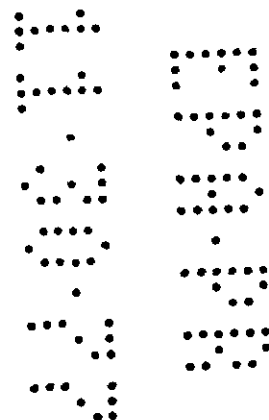
#### Italian Frones

To reduce internal browning

**Timing:** Apply spray three to four weeks prior to harvest. This is normally about 10 days post pit hardening

**Mixing:** Add 10 Gib-Paks for each 200 gallons of water for a 50 ppm solution

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**Spraying:** Apply at a rate of 200 gallons per acre making sure each tree is wet thoroughly. Recommended concentration of gibberellic acid is 40 grams per acre.

**Note:** The addition of 6.5 lbs. of urea per 100 gallons of spray solution will further improve the quality of the fruit.

**Oriando Tangelo**

To increase fruit set and yields

**Timing:** Apply spray during full bloom.

**Mixing:** Add one-half (1/2) to one and one-half (1 1/2) Gib-Paks per 100 gallons of water for the recommended concentration of 5 to 15 ppm solution.

**Spraying.** Apply at a rate of 500 gallons per acre to ensure sufficient wetting of the leaves (30 grams per acre on mature trees)

**Note:** A slight increase in the dropping of mature leaves may occur at 10 to 15 ppm. concentrations. Severe leaf drop occurs at concentrations above 25 ppm.

Fruit sizes may be reduced and the color development slightly retarded

Fruits are generally seedless

### Seeded and Seedless

### "Fuggle" Hops and Similar Varieties

To increase yields and pickability

**Timing.** Apply spray solution when the vine growth is five to eight feet in length, at least three weeks prior to flowering stage

**Mixing:** Add one-half (1/2) to one (1) **Gib-Pak** per 100 gallons of water. Solution concentration range should be 5 to 10 ppm gibberellic acid.

**Spraying.** Apply at a rate of 100 to 150 gallons of solution per acre applying 2 to 6 grams per acre.

**Consult your local farm advisor for best practices in your area**  
**Destroy Container When Empty Do Not Reuse**

**Elanco Products Company • A Division of Eli Lilly and Company**  
Indianapolis, IN 46206, U.S.A.

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