

SULPHOMEX

DESCRIPTION

Omex Sulphomex is a clear solution containing water soluble sulphur and nitrogen. Crops will respond immediately to applications of Omex Sulphomex and it will be rapidly absorbed by the plant.

Omex Sulphomex will supply the sulphur requirements for all crops and its use will avoid the unpleasant dust and caking characteristics of many elemental products.

Thinning apple flowers is an essential practice in apple orchards to achieve optimal fruit production



Analysis		Wt/Wt	Wt/Vol
Nitrogen	N	11.30%	15.00%
Sulphur	SO ₃	65.00%	87.50%
pH (10% Solution)		7.25-8.25	
Specific Gravity		1.32-1.36 @ 18°C	

- Apple trees often set more flowers than necessary, resulting in excessive fruit production.
- Thinning helps ensure that only a suitable number of fruitlets remain on the tree for proper sizing and quality.
- Overcropping can lead to smaller fruits with poor storage potential



Benefits of Thinning:

- **Larger Fruits:** Thinning results in larger apples, which are easier and cheaper to pick and grade.
- **Healthier Fruits:** Recent research shows that fruits from thinned trees have higher concentrations of polyphenols, which are beneficial for human health and nutrition.

Methods of Thinning:

- **Hand Thinning:** Environmentally sensitive method that involves manually removing flower clusters. Rarely used in mature commercial orchards.
- **Chemical Thinning:** Chemical blossom thinners are sprayed during the blossom time to reduce fertilization and prevent undesired crop loads.
- **Bloom Thinning:** Can be done with caustic chemicals or hormone-type thinners like naphthaleneacetic acid (NAA).
- **Postbloom Thinning:** Usually done at petal fall or when fruits are 10-12 mm in diameter using NAA or benzyladenine (BA).

Factors Influencing Thinning Decisions:

- **Variety:** Small-fruited varieties (e.g., Gala, Cox) often require regular thinning.
- **Rootstock:** Different rootstocks may affect thinning needs.
- **Market Requirements:** Consider desired fruit grades.
- **Weather Conditions:** Current season's weather impacts thinning decisions.
- **Tree Condition:** Assess the health and vigor of the tree.



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Apple Thinning & Sulphomex Application

Variety	Temperature	Dose l/hl	Variety	Temperature	Dose l/hl
Golden Delicious	<18°C	1.5	Fuji	<18°C	1.3
	18°C - 22°C	1.2		18°C - 22°C	1.0
	>22°C	1.0		>22°C	0.9
Gala	<18°C	1.3	Braeburn	<18°C	1.2
	18°C-22°C	1.0		18°C-22°C	1.0
	>22°C	0.9		>22°C	0.8
Ozark Gold	<18°C	1.2	Granny Smith	<18°C	1.5
	18°C - 22°C	1.0		18°C - 22°C	1.2
	>22°C	0.8		>22°C	1.0
Morgenduft	<18°C	1.5	Pink Lady	<18°C	1.3
	18°C - 22°C	1.2		18°C - 22°C	1.0
	>22°C	1.0		>22°C	0.9
Stayman Red	<18°C	1.3	Pinova	<18°C	1.2
	18°C - 22°C	1.0		18°C - 22°C	1.0
	>22°C	0.9		>22°C	0.8
Winesap	<18°C	1.2	Kanzi	<18°C	1.5
	18°C - 22°C	1.0		18°C - 22°C	1.2
	>22°C	0.8		>22°C	1.0
Idared	<18°C	1.5	Jazz	<18°C	1.3
	18°C - 22°C	1.2		18°C - 22°C	1.0
	>22°C	1.0		>22°C	0.9
Jonathan	<18°C	1.3	Ambrosia	<18°C	1.2
	18°C - 22°C	1.0		18°C - 22°C	1.0
	>22°C	0.9		>22°C	0.8
Jonagold	<18°C	1.2	Modi	<18°C	1.5
	18°C - 22°C	1.0		18°C - 22°C	1.2
	>22°C	0.8		>22°C	1.0
Elstar	<18°C	1.5	Envy	<18°C	1.3
	18°C - 22°C	1.2		18°C - 22°C	1.0
	>22°C	1.0		>22°C	0.9
Yello	<18°C	1.2			
	18°C - 22°C	1.0			
	>22°C	0.8			

- Recommended to apply 1-2 treatments by an interval of 2-3 days
- 1st Treatment close to the end of flower bud stage
- 2nd treatment 2-3 days later, during full flowering stage
- On longer flowering stage, particularly on Fuji variety, it's recommended to make a 3rd treatment

IMPORTANT:
The plant must be dry and no rain for the next 24 hours