

Ammonium Thiosulphate (ATS) - Foliar Nutrient & Blossom Thinner

Mode of Action

Burns out the key parts of the flower as it opens or soon after opening, and before it has pollinated, thereby preventing successful pollination.

Decision to Thin – Key Criteria

- Concentration of Bloom
- Quality of Bloom
- Pollination Conditions to Date
- Forecast Weather

What to Thin?

Established Orchards.

- For **Maximum Effect** (All of the above criteria score high points)
Where King Bloom has set and the rest are open or opening. Return to do follow up spray as soon as remaining bloom is open to burn out the stragglers.
- For **Moderate Effect** (All of the above criteria score moderate points)
Apply when at least 25% of the main blossom is open and following one **good** day sufficient to set at least one apple per cluster.

Young Orchards – not yet fully established into cropping.

- Where the objective must be to reduce likelihood of biennial bearing, be sure of one good warm, sunny day once 20% of the main bloom has opened and then apply on the next dry day.

New Orchards – still in the formative stages.

- Where the objective is to maintain a minimal crop and to achieve good formative growth within the tree, spray as soon as the King Bloom is going over and the main blooms are open or just about to open. Return as soon as remaining bloom is open to burn out the stragglers.

When Best to Apply?

For best effect ATS is best applied on a reasonably warm/dry day preferably in the late afternoon/early evening when conditions are slightly slower drying.

However, if OK to spray and pollination conditions have been good do not delay!

Sulphur F3000 Application Rates			
	a.i.	Water	SF 3000
		Litres	Litres
Young Trees	1.50%	1000	19.50
New Orchards	1.75%	1000	22.75
Moderate Effect	2.00%	1000	26.00
Maximum Effect	2.50%	1000	32.50

CAVEATS

- Do not add anything else to the mix.
- Do not apply if risk of frost is high.
- Do not apply to Michelin if high risk of rain within 2 hours of application. (If persistent rain follows be prepared to apply Bavistin @ 1 kg/ha).
- Do not spray all the trees – leave at least a few unsprayed for comparison.