

## NSA Recommended Spray Programme for 2023-24

										FLOWERING			ONE MONTH AFTER FLOWERING COMPLETED									
Treatment Round				1	2	3	4	5	6	7	8		9	10	11	12	13	14	15	16	17	18
Growth Stage	Pre-bud to budburst	first leaf separated from shoot tip	first leaf separated - 2-3 leaf, shoots 2-4 cm long	4 leaf	6-7 leaf			8-10 leaf single flower	12 leaf, inflor. Well developed single flower sep	14 leaf cap colour fading	Beg. Flowering	50% Capfall	80-100% capfall	Berries peppercorn	Fruitset Pea	Pea size 4mm	Pea size 7mm	PBC	Berries still hard and green		Early Veraison	Veraison and Post Veraison
EL	1 to 4	7	7 to 9	11	12 to 14	13-14	15-16	17	18	19	23	25	26	27	29	30	31	33	34	35-36	37	
Interval	10-14 days (cover again after significant rain event)									7 days (cover again after significant rain event)							10-14 days					
Water Rate (rates per ha based on 2.5m rows)			6.25L/100m (250L/ha)	6.25L/100m (250L/ha)	6.25L/100m (250L/ha)	7.5L/100m (300L/ha)	7.5L/100m (300L/ha)	9L/100m (360L/ha)	12.5L/100m (500L/ha)			12.5L/100m (500L/ha)	12.5L/100m (500L/ha)			12.5L/100m (500L/ha)	12.5L/100m (500L/ha)	12.5L/100m (500L/ha)			12.5L/100m (500L/ha)	12.5L/100m (500L/ha)
NSA Program			NSA 1%	NSA 0.5%	NSA 1%	NSA 0.5%	NSA 1%	NSA 0.5%	NSA 1%		NSA 1%	NSA 1%	NSA 1%	NSA 1%	NSA 0.5%	NSA 1%	NSA 1%	NSA 1%	NSA 1%	NSA 0.5%	NSA 1%	NSA 1% (Botrytis)
Sulphur			Sulphur	Sulphur	Sulphur	Sulphur	Sulphur	Sulphur	Sulphur					Sulphur	Sulphur	Sulphur		Sulphur	Sulphur			
Nordox			Norshield 30g per 100L		Norshield 30g per 100L			Norshield 30g per 100L		Norshield 50g per 100L	Norshield 30g per 100L	Norshield 30g per 100L	Norshield 50g per 100L	Norshield 30g per 100L		Norshield 30g per 100L	Norshield 50g per 100L	Norshield 30g per 100L	Norshield 30g per 100L	Norshield 30g per 100L	Norshield 50g per 100L	Norshield 30g per 100L
HML Potum									HML Potum 600g/100L				HML Potum 600g/100L				HML Potum 600g/100L				HML Potum 600g/100L	HML Potum 600g/100L
HML Silco				HML Silco 250ml/100L			HML Silco 250ml/100L		HML Silco 250ml/100L		HML Silco 250ml/100L		HML Silco 250ml/100L		HML Silco 250ml/100L		HML Silco 250ml/100L					
										eradicative				eradicative				eradicative			eradicative	Add sulphur if Downy Mildew present

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### NOTES

- Sulphur Rate 3 - 4 kg/ha
- Water Rate As per grower unless not appropriate for HML products, supported by wettable papers at critical growth stages
- Copper Applications of low rates of copper will increase in frequency for northern areas to cover wet weather diseases
- NSA In time 0.5% NSA mixture may prove sufficient for early season control of disease. Over flowering, stay with 1%
- Flowering The two spray applications that bracket flowering are important for both powdery mildew and botrytis control
- Spray interval From pre-flowering to 1 month after flowering completed best case 7 day spray interval and recover after significant rain event
- Trace Elements to discuss the possibility of including trace element products in the HML spray mixtures, jar test