

NSA Recommended Spray Programme for 2023-24

Treatment Round	Growth Stage	Pre-bud to budburst	first leaf separated from shoot tip	FLOWERING							ONE MONTH AFTER FLOWERING COMPLETED							Berries still hard and green	Early Veraison	Veraison and Post Veraison				
				1	2	3	4	5	6	7	8	Beg. Flowering	50% Capfall	80-100% Capfall	Berries	Fruitset	Pea size 4mm	Pea size 7mm	PBC					
EL		Pre-bud to budburst	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	14 leaf cap colour fading										Berries still hard and green	Early Veraison	Veraison and Post Veraison			
				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 1%	NSA 1%	NSA 1%	NSA 1%	NSA 1%	NSA 1%	NSA 1%	NSA 1%		
Sulphur				Sulphur	Sulphur	Sulphur	Sulphur	Sulphur	Sulphur					Sulphur	Sulphur	Sulphur					Sulphur	Sulphur	NSA 1% (Botrytis)	
Nordox				Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g per 100L		Norshield 30g 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 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		HML Silco 250ml/100L						
											eradicative			eradicative			eradicative						Add sulphur if Downy Mildew present	

Disclaimer: Grochem has prepared this programme to assist grape growers using its products. Liability whether in tort (including negligence), contract or otherwise, for any loss, crop injury or crop failure, resulting from the application of this spray programme is excluded. Any user of this spray programme accepts this disclaimer.

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