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 0.5%	NSA 1%	NSA 1% (Botrytis)
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 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 250/100L		HML Silco 250/100L		HML Silco 250/100L		HML Silco 250/100L		HML Silco 250/100L		HML Silco 250/100L					
										eradicative				eradicative				eradicative			eradicative	Add sulphur if Downy Mldew present

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

Order of Mixing	**Order of Mixing** where mix includes NSA and Copper
HML Silco	HML Silco
Sulphur	Sulphur
HML Potum	HML Potum
NSA	Premix NSA and Nordox
Nutrients	