| | | | | | | NSA | Reco | mmend | led Spr | ay Pro | grai | mme f | for 20 | 23-24 | | | | | | | |
|-----------------------|---|------------|------------------------------------|------------|--------------|-----------|----------------------|-----------------|---|-----------|------|-----------|-------------------------------------|----------------------|-----------|-----------|---------------|--------------------|----------------------|--------------|-------------------|
| | | | | | | | | | _ | 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 |
| | | first leaf | | | | | 0.401 6 | 12 leaf, inflor | 1 | | | | | | | | | | | | |
| | Pre-bud to | | d separated - 2- 3 leaf, shoots | 1 | | | 8-10 leaf single | single flower | d 14 leaf cap colour | Beg. | 50% | 80-100% | Berries | Fruitset | Pea size | Pea size | | Berries still hard | | Early | Veraison and Post |
| Growth Stage | | shoot tip | | 4 leaf | 6-7 leaf | | flower | sep | fading | Flowering | | | peppercorn | | 4mm | 7mm | PBC | and green | | Veraison | 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 | | | 6.25L/100m | 6.25L/100m | 6.25L/100m | 7.5L/100m | 7.5L/100m | 9L/100m | 12.5L/100m | | | 12.5L/100 | 12.5L/100 | | | 12.5L/100 | 12.5L/100m | 12.5L/100m | | 12.5L/100m | 12.5L/100m |
| ha based on 2.5m | | | (250L/ha) | (250L/ha) | (250L/ha) | (300L/ha) | (300L/ha) | (360L/ha) | (500L/ha) | | | m | m | | | m | (500L/ha) | (500L/ha) | | (500L/ha) | (500L/ha) |
| rows) | | | NICA 40/ | NICA O FO | NICA 40/ | NICA O FO | NICA 40/ | NICA O FO | NIC A 40/ | NICA 10/ | | (500L/ha) | (500L/ha) | | NICA O FO | (500L/ha) | NICA 40/ | NIC A 40/ | NICA O FO | NIC A 40/ | NCA 40/ /Data dia |
| 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 Norshield | Sulphur | + | Norshield | | Norshield | Norshield | Sulphur Norshield | Sulphur | Sulphur | | Sulphur | Sulphur Norshield | | |
| | | | Norshield 30g | | Norshield | | 30g per | | Norshield | 30g per | | 30g per | 50g per | 30g per | | 30g per | Norshield 50g | Norshield 30g | 30g per | Norshield | Norshield 30g per |
| Nordox | | | per 100L | | 30g per 100L | | 100L | | 50g per 100L | | | 100L | 100L | 100L | | 100L | per 100L | per 100L | 100L | 50g per 100l | |
| 13.00 | | | 123. 2332 | | | | | | 778 75. 2002 | | | | HML | | | | 1.0. 2002 | p 2. 2002 | | | |
| | | | | | | | | | HML Potum | | | | Potum | | | | HML Potum | | | HML Potum | HML Potum |
| HML Potum | | | | | | | | | 600g/100L | | | | 600g/100L | | | | 600g/100L | | | 600g/100L | 600g/100L |
| | | | | HML Silco | | HML Silco | | HML Silco | | HML Silco | | HML Silco | | HML Silco | | HML Silco | | | | | |

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.

eradicative

250/100L

250/100L

250/100L

eradicative

250/100L

eradicative

Add sulphur if

Downy Mldew

eradicative present

NOTES

HML Silco

Sulphur Rate 3 - 4 kg/ha

Water Rate
Copper
As per grower unless not appropriate for HML products, supported by wettable papers at critical growth stages
Applications of low rates of copper will increase in frequency for northern areas to cover wet weather diseases
In time 0.5% NSA mixture may prove sufficient for early season control of disease. Over flowering, stay with 1%
The two spray applications that bracket flowering are important for both powdery mildew and botrytis control

250ml/100L

250/100L

250/100L

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 | | | | | | | |