



PHYTOPHTHORA WARNING

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Wide spread rainfall and flooding occurred in some of the summer rainfall regions of the country.

Orchards were under water and in some orchards the soils are still waterlogged. These wet conditions will enhance the chances of *Phytophthora* infections in the soil that can cause root and collar rot and will also increase brown rot incidence on the earlier cultivars. These abnormal wet weather conditions need drastic action and urgent control measures should be taken. This Cutting edge therefore serves as a warning to all growers who have not yet done so, to take immediate action.

Phytophthora root rot control measures:

1. Orchards should be drained as soon as possible.
2. Orchards should be sprayed/stem painted with a phosphonate foliar spray at the standard registered dosage.
3. Foliar applications should commence as soon as conditions will allow spray machines to move through the orchards – in very wet orchards some trees might still be under stress.
4. It is suggested that applications should commence in drier orchards or orchards less affected with the flood water first whilst the rest of the orchards are drying off.
5. The phosphonate application needs a follow up application 8 weeks after the first application.

Phytophthora brown rot control measures:

1. Registered products: The **contact fungicides** (copper at 200 g / 100 ℓ or mancozeb at 200 g / 100 ℓ), is registered as a preventive measure against ***Phytophthora*** brown rot (Make sure of market restrictions). Contact fungicides must be re-sprayed after follow-up rainfall.
2. With this current emergency situation applying a **systemic product** (Phosphonate) rather than a contact fungicide should be considered. Brilliant and Fighter are registered phosphonate products for the control of brown rot; however, the registered **foliar applications** of phosphonates for the control of root and collar rot will also be effective against brown rot. The phosphonates are systemic products and will protect fruit from re-infestation. **At all times adhere to the label instructions.**
3. Trials conducted by CRI indicated that the phosphonates are highly effective against *Phytophthora* infections (root, collar and brown rot).
4. **Soil drenches and stem applications with phosphonates do not control *Phytophthora* brown rot.**
5. Do not spray soft citrus with phosphonates after December to avoid phytotoxicity.



PHYTOPHTHORA WAARSKUWING

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Wydverspreide swaar reën en vloede het in die somerreënval produksieareas voorgekom. Hierdie nat toestande kan die kanse van *Phytophthora* wortelvrot en kraagvrot infeksies in die grond verhoog, asook die voorkoms van bruinvrot besmetting op die vroeër kultivars. Hierdie abnormale toestande verg drastiese optrede. Hierdie Snykant dien dus as 'n waarskuwing aan alle produsente in die geaffekteerde gebiede wat nie reeds aksie geneem het nie.

Phytophthora wortel- en kraagvrot beheermaatreëls:

1. Dreineer die boorde so spoedig moontlik.
2. Blaarbespuitings en fosfonaat stam aanwendings kan oorweeg word teen geregistreerde etiket aanbevelings.
3. Boorde behoort met 'n fosfonaat blaarbespuiting teen die geregistreerde dosis gespuit te word.
4. Blaarbespuitings moet in aanvang neem sodra dit moontlik is om in die boorde in te beweeg met spuitmasjienerie toerusting (sien 5 hieronder) – indien boorde te nat is, mag sommige bome steeds onder stres wees.
5. Toedienings behoort in boorde wat eerste uitgedroog is, te begin, en daarna die mees geaffekteerde boorde wanneer dit droog genoeg is vir die spuittoerusting om in die boorde in te gaan (natter boorde langs die riviere wat onder water was).
6. Die fosfonaat-toediening behoort na 8 weke opgevolg te word met 'n tweede toediening.

Phytophthora bruinvrot beheermaatreëls:

1. Geregistreerde *Phytophthora* beheer middels: **Kontakswamdoders** (koper teen 200 g / 100 l of mancozeb teen 200 g / 100 l), kan voorkomend vir die beskerming van vrugte teen *Phytophthora* bruinvrot gespuit word (Maak seker van markverseistes). **Kontakswamdoders** moet na opvolg reën weer gespuit word.
2. Brilliant en Fighter is die twee fosfonaat produkte tans geregistreer vir die gebruik teen bruinvrot, MAAR die geregistreerde blaarbespuitings vir die beheer van kraagen wortelvrot is ook effektief teen bruinvrot. Die fosfonate is sistemies en sal vrugte teen enige herinfestasië van *Phytophthora* beskerm. *Phytophthora* proewe wat deur CRI gedoen is het getoon dat die blaarbespuitings-behandeling vir die beheer van wortelvrot, uiters effektief is vir die beheer van bruinvrot. **Volg etiket waarskuwings noukeurig.**
3. Moenie sagtesitruskultivars na Desember met fosfonate spuit nie om fitotoksisiteit te voorkom.
4. Navorsing het bewys dat die sistemiese fosfonate uiters effektief gebruik kan word om *Phytophthora* infeksies te beheer. Grond en stamtoedienings van die fosfonate **beheer nie bruinvrot nie.**