

Komatipoort

WILAN NIEUWENHUIZEN



WILAN
NIEUWENHUIZEN

RCL Komatipoort Mill, R571 Road, Komatipoort, 🏠

+27 (0)13 723 4177 | +27 (0)67 597 0203 📱

wilan.nieuwenhuizen@sugar.org.za ✉️

Malelane

JAN ERASMUS



JAN ERASMUS

MCGA Gebou, Mhlati Plaas 🏠

+27 (0)66 114 0656 📱

jan.erasmus@sugar.org.za ✉️

P&D

KARLIEN TRÜMPELMANN



KARLIEN
TRÜMPELMANN

Laeveld LPD&VCC Kantoor, Mhlati Plaas 🏠

+27 (0)83 335 3846 📱

karlien.trumpelmann@sugar.org.za ✉️

Die grondbeginsels van riet rypmaak

- Kombinasie (piggyback) rypmaak behandelings is uitstekende opsies om RV opbrengste te verhoog in hoë potensiaal (hoë opbrengs) scenario's waar riet kwaliteit tipies baie laag is. Kombinasie behandelings dwing egter meegaande en aggressiewe rypmaak aksies op die suikerriet en kan opbrengs belemmer wanneer groei agteruitgaan. Indien groei as onder normaal beskou word, oorweeg 'n korter spuit-tot-oes opsie soos 'n enkele fluazifop-p-butiel behandeling, toegedien 6 – 7 weke voor oes. Dit sal die riet vir ten minste 'n maand langer ongehinderd laat groei in vergelyking met kombinasie behandelings.
- Beste praktyk is om die meriete van rypmaak te bepaal deur die **PurEst®-toepassing** te gebruik en brix-lesings wat deur 'n refraktometer geneem word om die sapsuiwerheid van die heel-stronk te bereken.
- Verskillende seisoene produseer verskillende stimuli en kan gevolglik verskillende brix-gradiente lewer in vergelyking met die vorige seisoen. Byvoorbeeld, tydens uiters warm weerstoestande, slaag die riet skaars daarin om sy water status te handhaaf vir optimale fotosintese en sukrose produksie. Variëteit verskille beïnvloed ook brix-gradiente.
- Sukrose produksie vind slegs in die volwasse groen blare plaas. Dus, die blaredak moet gesond en welig wees met sewe of meer gesonde, groen blare per stingel. Slegs groen blare kan sukrose produseer, nie bruin blare nie.
- Daar moet voldoende grondwater/besproeiing wees om fotosintese te handhaaf na die rypmaker toegedien is. Moenie oormatig afdroog nie want dit sal opbrengs verder belemmer in lande waar opbrengs as onder normaal beskou word.
- Om die optimale reaksie vanaf die geselekteerde rypmaak strategie te verkry, word aanbeveel om by die voorgeskrewe spuit-tot-kap periodes te hou.

- Die kap datum kan vir 'n kort rukkie uitgestel word mits daar voldoende grondvog is.
- Vir enkel rypmaker behandelings is die spuit-tot-kap periodes langer gedurende die winter as die somer.
- Dit word nie aanbeveel om Ethephon as 'n enkele rypmaak behandeling in die vroeë seisoen te gebruik nie as gevolg van groot variëteit verskille en hoë sensitiwiteit vir omgewingstoestande. Moet ook nie Ethephon op oordrag plantriet of laat seisoen gebruik nie.
- Indien Ethephon as deel van 'n vroeë seisoen-kombinasiebehandeling gebruik word, moet dit nie op riet met 'n sapsuiwerheid van meer as 75% toegedien word nie.
- Instandhouding van riet kwaliteit in die laat seisoen met rypmakers kan bemoelijk word deur stresfaktore soos onvoldoende grondvog, blom, en plaag en siekte. Oorweeg fluazifop-p-butiel of trinexapac-ethyl enkel rypmaak behandelings gebaseer op 'n PurEst®-toets en moenie rypgemaakte riet oordra nie.
- Die rypmaak-skedules is beskikbaar op die nuutste weergawe van die **PurEst® App**.

RIPENER SPRAY-TO-HARVEST INTERVAL GUIDE

Harvest weeks falling during time-period indicated by arrows:
 A = Chemical ripening period (to improve quality)
 B = Only apply chemical on merit (following maturity assessment)
 C = Late-season quality maintenance period (to maintain high quality)

Timing schedule of ETHEPHON* application

■ Possible weeks of ETHEPHON* spraying ■ Week of harvesting

This poster provide guidelines to assist growers in determining suitable window periods of applying either single or combination chemical treatments for purposes of chemical ripening or late-season cane quality maintenance for the different harvest months. Refer to SASRI Information Sheets 12.3-12.5 for chemical-specific recommendations.

The optimal timing of application might vary very well depending on crop growth vigour, which is influenced by many factors including location, climate, variety, crop maturity and management.

For precision-agriculture purposes, timing may be adjusted based on information gleaned from hand-held refractometer measurements, recorded at intervals between spraying and the planned harvest date. Refer to SASRI Information Sheet 12.2 for more information on the measuring method and interpretation of refractometer readings for this purpose.

Timing schedule of ETHEPHON* and FUSILADE FORTE* combination treatment

■ Week of ETHEPHON* spraying ■ Possible weeks of FUSILADE FORTE* spraying ■ Week of harvesting

Timing schedule of FUSILADE FORTE* application

■ Week of FUSILADE FORTE* spraying ■ Week of harvesting

Timing schedule of MODDUS** application

■ Possible weeks of MODDUS** spraying ■ Week of harvesting

Timing schedule of MODDUS** and FUSILADE FORTE* combination treatment

■ Week of MODDUS** spraying ■ Week of FUSILADE FORTE* spraying ■ Week of harvesting

Important: Always verify that the desired treatment option is recommended for the particular variety. Consult the latest variety response table within the **PurEst®** application.

Important: Always consult the product label to establish the legal withholding period (minimum number of days between application and harvest).

* and other trade names
 ** and any future trade names

©September 2015. All copyright and other intellectual property rights subsisting in this work, including without limitation all text, images and graphics contained in this work (collectively, the "Contents") are owned by the South African Sugar Association ("the Owner"). Neither this work nor any of its Contents may be shared, modified or copied in whole or part in any form, or be used to create any derivative work without the owner's prior written permission. Whilst every effort has been made to ensure that the information contained in this work is accurate, the owner makes no representation, warranty or guarantee relating to the information contained in this work. The use of this work is at your own risk and neither the Owner nor its consultants or staff can be held liable for any loss or damage, whether direct or indirect, caused by the reliance on the information contained in this work. The use of proprietary names should not be considered as an endorsement for their use.