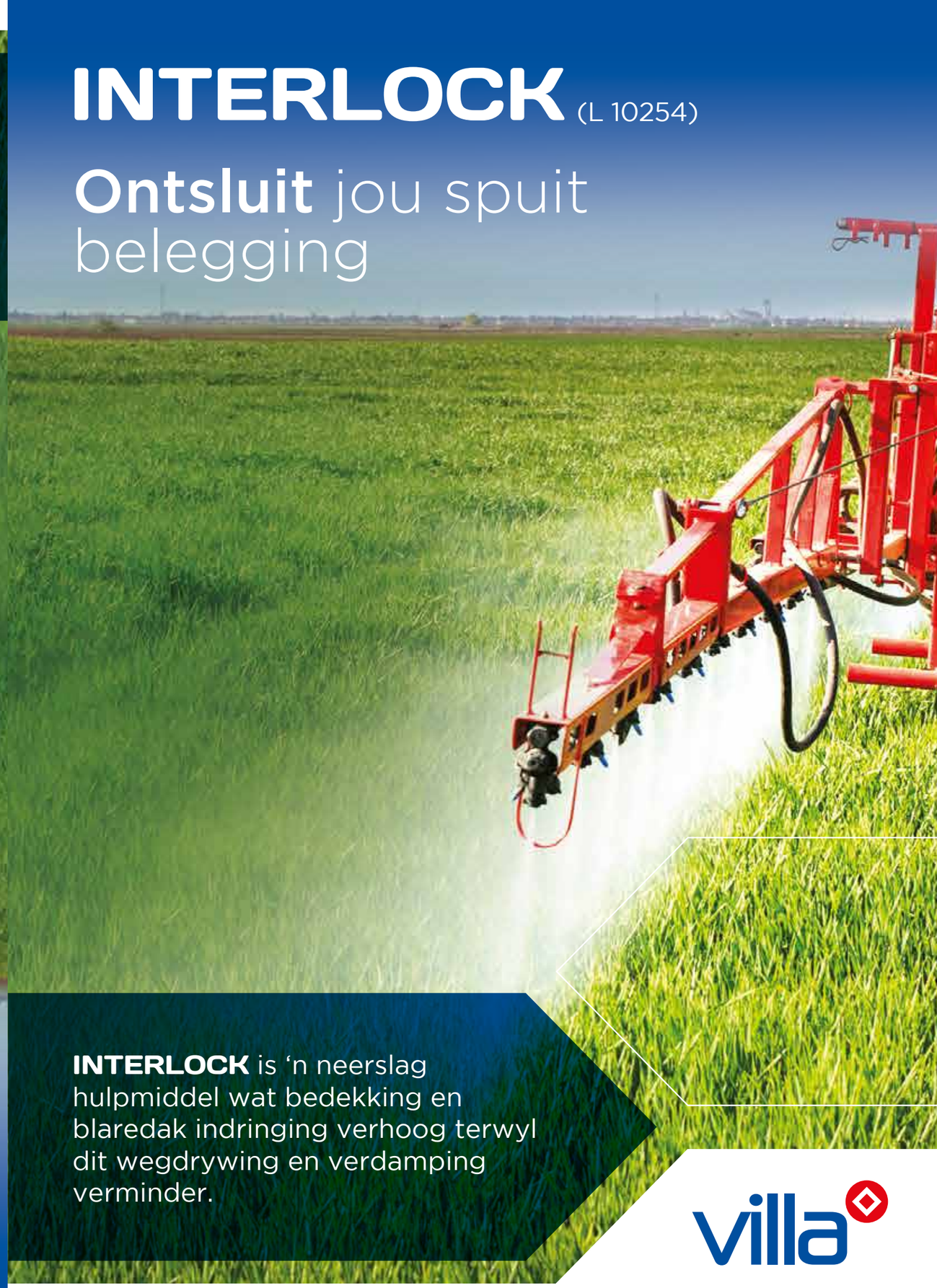
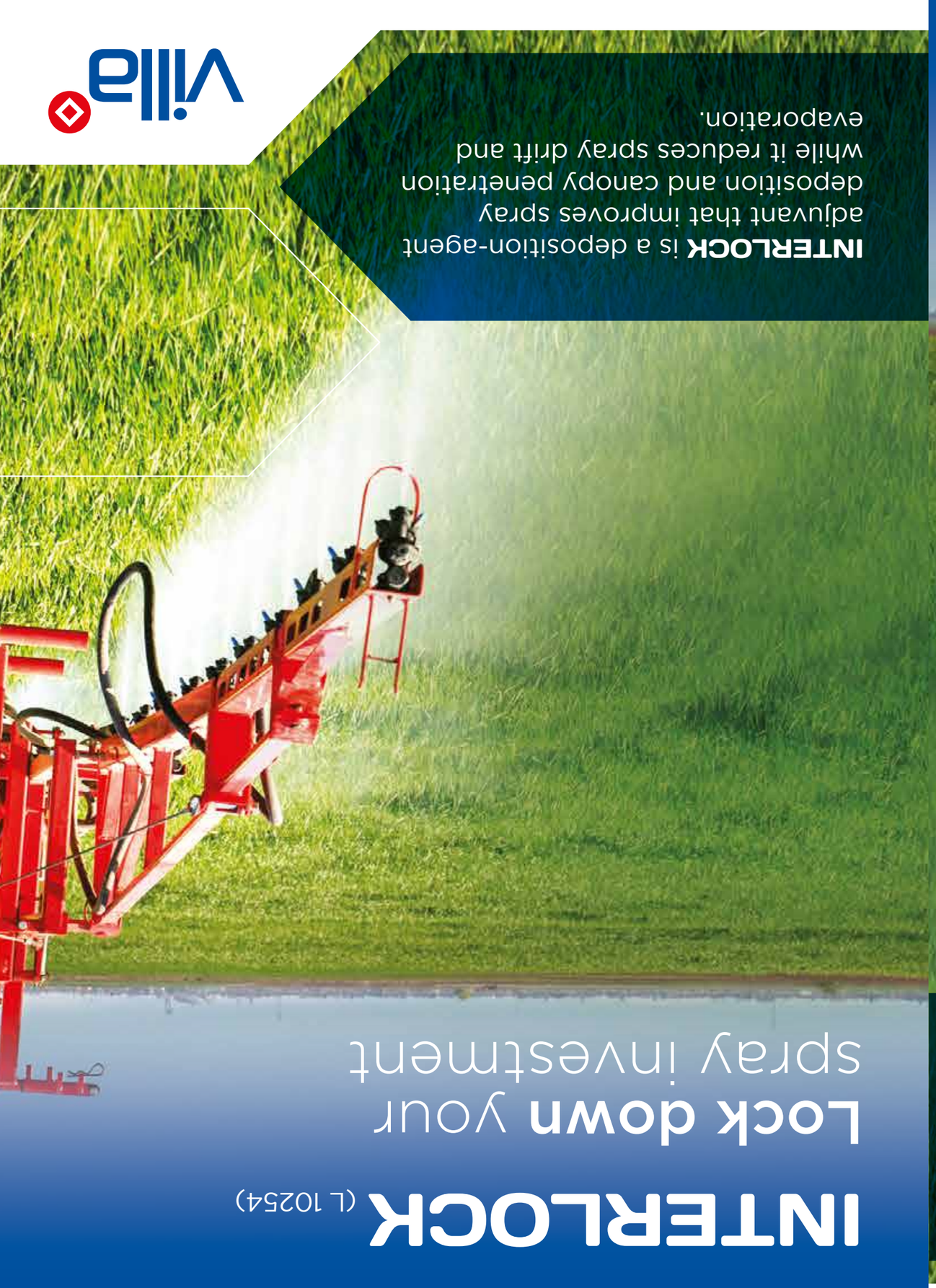
INTERLOCK (L 10254)

Ontsluit jou spuit belegging



INTERLOCK is ‘n neerslag hulpmiddel wat bedekking en blaredak indringing verhoog terwyl dit wegdrywing en verdamping verminder.

villa



INTERLOCK is a deposition-agent adjuvant that improves spray deposition and canopy penetration while it reduces spray drift and evaporation.

villa

Lock down your spray investment

INTERLOCK (L 10254)

Byvoegmiddel

Die nadele van wegdryfbare fyn druppels

Verlies van fyner druppels as gevolg van wegdrywing tydens plaagdoder toedienings is ‘n groot bydraende faktor tot verlies van plaagdoder effektiwiteit. Dit het vier baie belangrike nadele, naamlik:

1. Verlaagde **bedekking** op teiken onkruide en gewasse.
2. Verminderde **druppelpenetrasie** laer af in die gewas.
3. Verhoogde **verdamping** van fyn druppels.
4. **Wegdrywing** en moontlike onkruiddoder skade op nie-teiken gewasse.

‘n Groot gedeelte van plaagdoder toedienings mag as gevolg van wegdrywing en verdamping van klein druppels verloor word. Dit het ‘n direkte gevolg op produksie-kostes en oesopbrengs, naamlik deur:

- Verlies aan plaagdoder binne die gewasteikenarea, en moontlike gewasskade buite die teikenarea.
- Meer kompetisie van onkruide, verminderde insek- en swambeheer, wat alles ‘n negatiewe impak op oesopbrengs het.
- Veelvuldige plaagdodertoedienings, met al die gepaardgaande kostes.

INTERLOCK verskaf ‘n oplossing

INTERLOCK is ‘n unieke, nuwe generasie byvoegmiddel wat die volume wegdryfbare fyn druppels in spuittoedienings verminder. Dit sluit voordele soos bedekking en diepte van blaredak indringing in, terwyl dit wegdrywing uitsluit. Plaagbeheer word dus verhoog met ‘n gepaardgaande direkte positiewe effek op opbrengs.

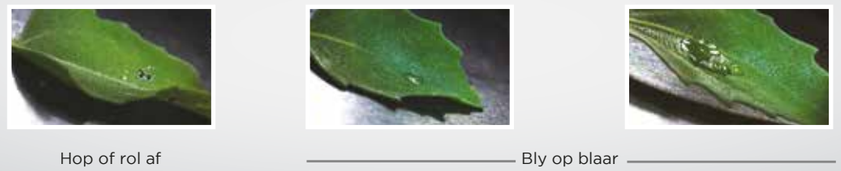
Voordele van INTERLOCK gebruik

- Splinternuwe tegnologie in Suid-Afrika.
- Verminderde produkverlies a.g.v. wegdrywing en verdamping, verhoogde blaredak indringing en bedekking.
- Gemaklike gebruik en lae dosis.
- Verdik nie die spuitoplossing nie en veroorsaak nie mengbaarheid probleme nie.
- Verander nie die spuitpatrone van spuitpunte nie.
- Kan met enige spuitpunte, wat die luginlaat tipes insluit, gebruik word.
- Dit skuif nie die druppelspektrum na ultra-groot druppels wat kan afloop of afhop nie, maar dit werk eerder by wyse van vergroting van die fyn druppels in die druppel spektrum.

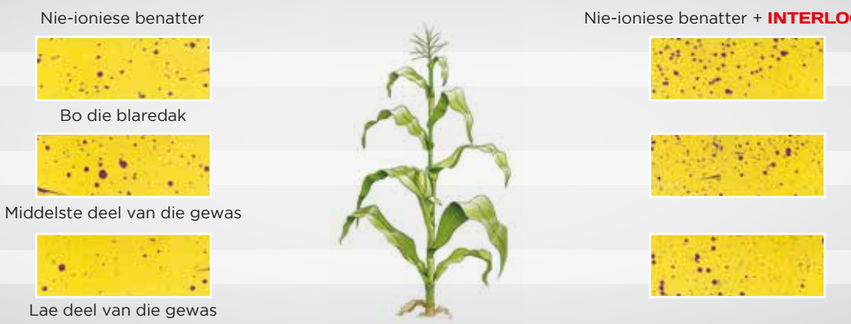
VERHOOGDE BEDEKKING

INTERLOCK verhoog plaagbeheer deur spuitdruppel bedekking te verhoog.

Figuur 1. Druppel af hop met en sonder INTERLOCK



Figuur 2. Bedekking op verskillende hoogdes binne die gewas



VERMINDERDE WEGDRYWING

INTERLOCK verlaag die volume fyn druppels in die spuitnewel, dus verminderde wegdrywing en verdamping.

Figuur 3. Spuitpunte sonder en met INTERLOCK

VERHOOGDE EFFEKTIWITEIT

INTERLOCK verhoog bedekking en blaredak indringing. Dit verbeter dus beheer en sodoende verhoog dit gewasopbrengs.

Adjuvant

The disadvantages of driftable fine droplets

The loss of fine droplets due to drift is ‘n significant contributing factor to poor pesticide efficacy. It has four main disadvantages, namely:

1. Decreased **coverage** on target weeds and crops.
2. Decreased droplet **penetration** lower down in the crop canopy.
3. Increased **evaporation** of fine droplets.
4. **Drift** and possible herbicide damage to non-target crops.

A large percentage of pesticide sprays may be lost due to drift and evaporation of fine droplets. This has a direct influence on production costs and crop yield, mainly through:

- Loss of the pesticide in the crop target area, and possible damage to non-target crops.
- More competition from weeds, less insect and disease control, all of which have a direct negative impact on crop yield.
- Multiple pesticide applications, with all of the associated costs.

INTERLOCK provides a solution

INTERLOCK is a unique, new generation adjuvant that reduces the volume of driftable fine droplets in spray applications. It locks in deposition and depth of canopy penetration, while locking out drift. Pest control is increased and therefore it has a direct positive effect on yield.

Advantages of using INTERLOCK

- Brand new technology in South Africa.
- Reduced spray drift and evaporation, increased canopy penetration and deposition.
- Easy to use and a low use rate.
- Does not increase the viscosity or compatibility of the spray solution.
- Does not change the spray pattern of nozzles.
- Can be used with any spray nozzle, including the air-induction versions.
- Does not shift the droplet spectrum to ultra-coarse droplets that are prone to bounce and run-off, but rather works on the small droplets making them slightly larger.

INCREASED SPRAY COVERAGE

Interlock increases spray droplet deposition for optimised spray coverage and performance.

Figure 1. Droplet bounce with and without INTERLOCK

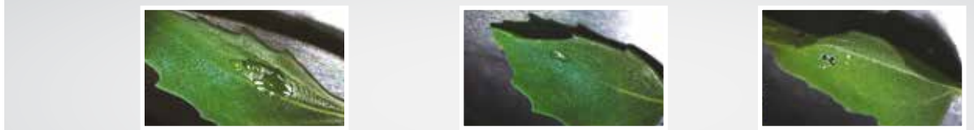


Figure 2. Coverage at different heights in the crop canopy

REDUCED DRIFT

INTERLOCK reduces the volume of fine droplets in the spray, thus less off-target movement and evaporation.

Figure 3. Nozzles without and with INTERLOCK

INCREASED EFFICACY

INTERLOCK increases spray coverage and penetration deeper down in the canopy. It increases pesticide control, thereby maximising yield.