

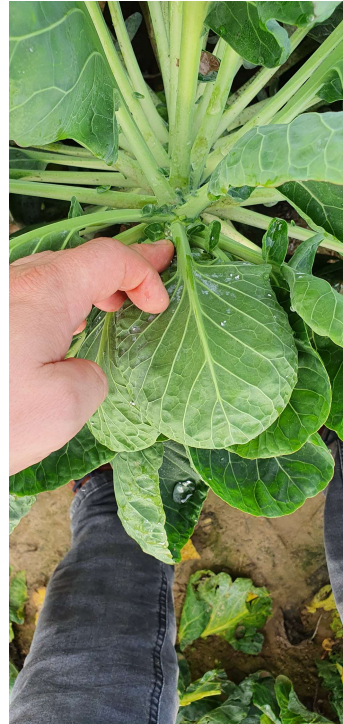
Spruitkoolvergadering

- Spuittechniek in spruitkool
- OPTiSPRAY

8/2/23, Passendale



Beter resultaat met betere spuittechniek?



Spuittechniek



Toepassingstechnieken



Agrotop
Airmix 110 03

50% DR



Lechler IDKT
110 03

50% DR



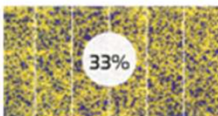
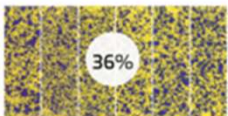
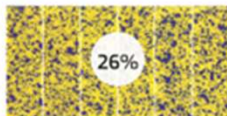
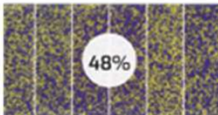
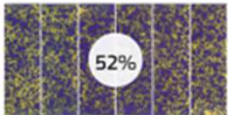
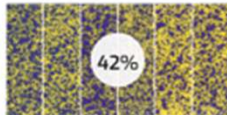
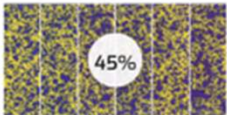
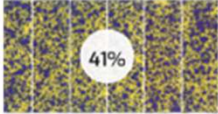
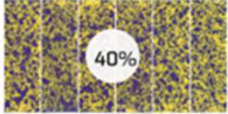
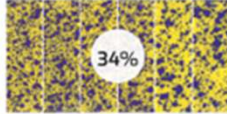
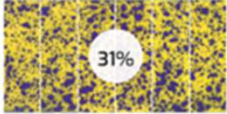
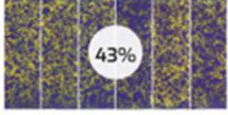
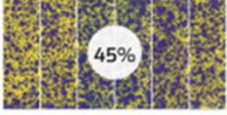
Albuz AVI
110 03

75% DR



Lechler ID3
110 03

90% DR

		Lagedruk luchtmengdop	Tweewaaier luchtmengdop	Hogedruk luchtmengdoppen	Hogedruk luchtmengdoppen
		Agrotop Airmix 110 03 50% driftreductie	Lechler IDKT 120 03 50% driftreductie	Albuz AVI 110 03 75% driftreductie	Lechler ID3 120 03 90% driftreductie
					
180L/ha	2 bar 6,4km/h	 33%	 36%	 26%	 25%
	5 bar 10,1km/h	 48%	 52%	 42%	 45%
250L/ha	2 bar 4,6km/h	 41%	 40%	 34%	 31%
	5 bar 7,3km/h	 50%	 43%	 50%	 45%

Toepassingstechnieken



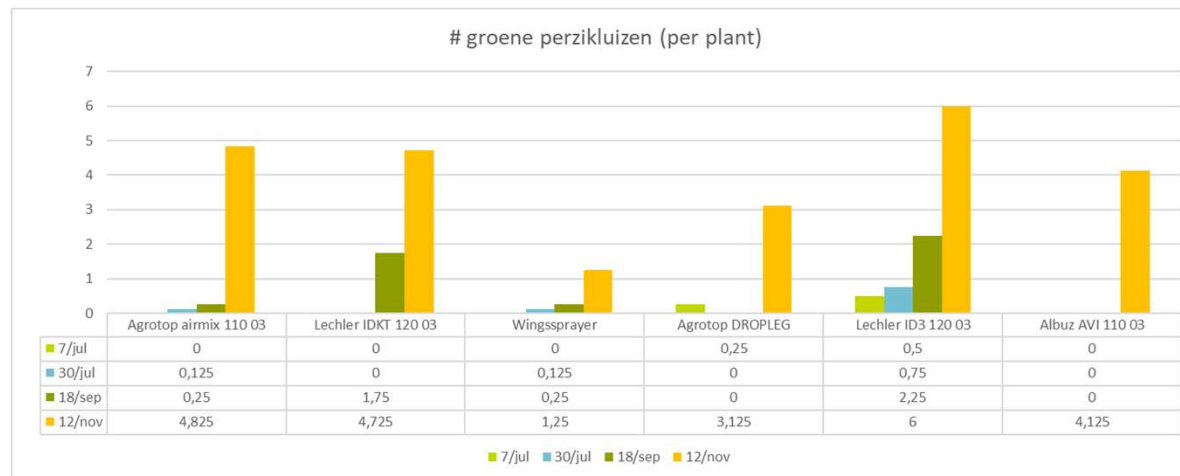
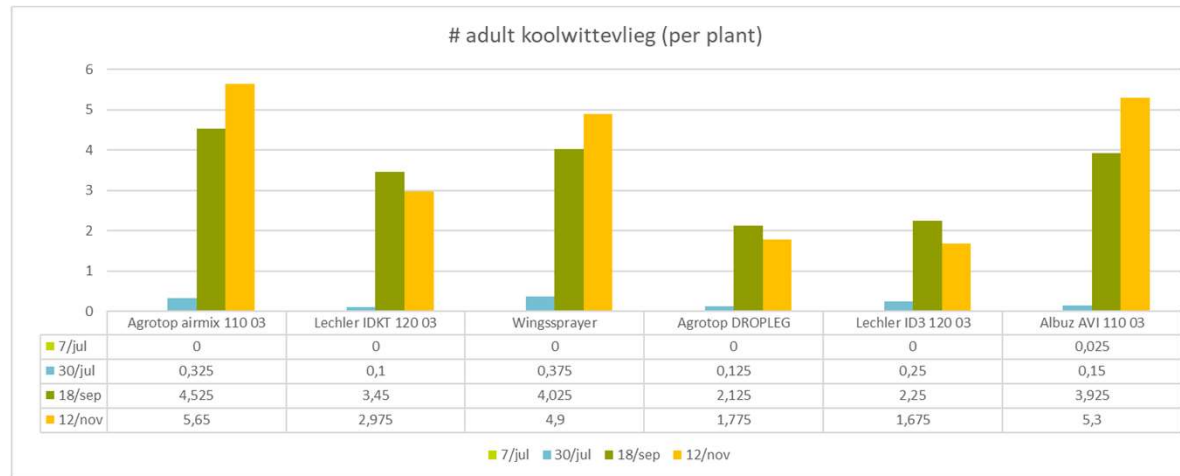
Droplegs



Wingssprayer

Resultaten

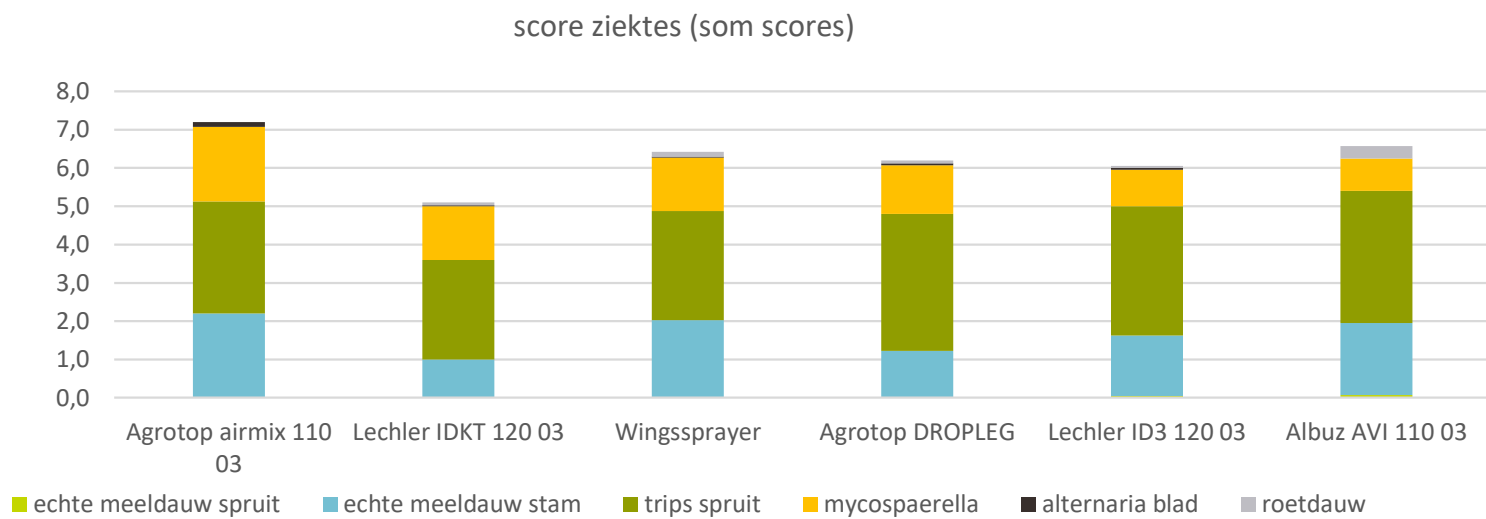
Spuitdruk 5bar - spuitvolume 400L/ha - rijsnelheid 4,6km/h



Proef Inagro, 2020

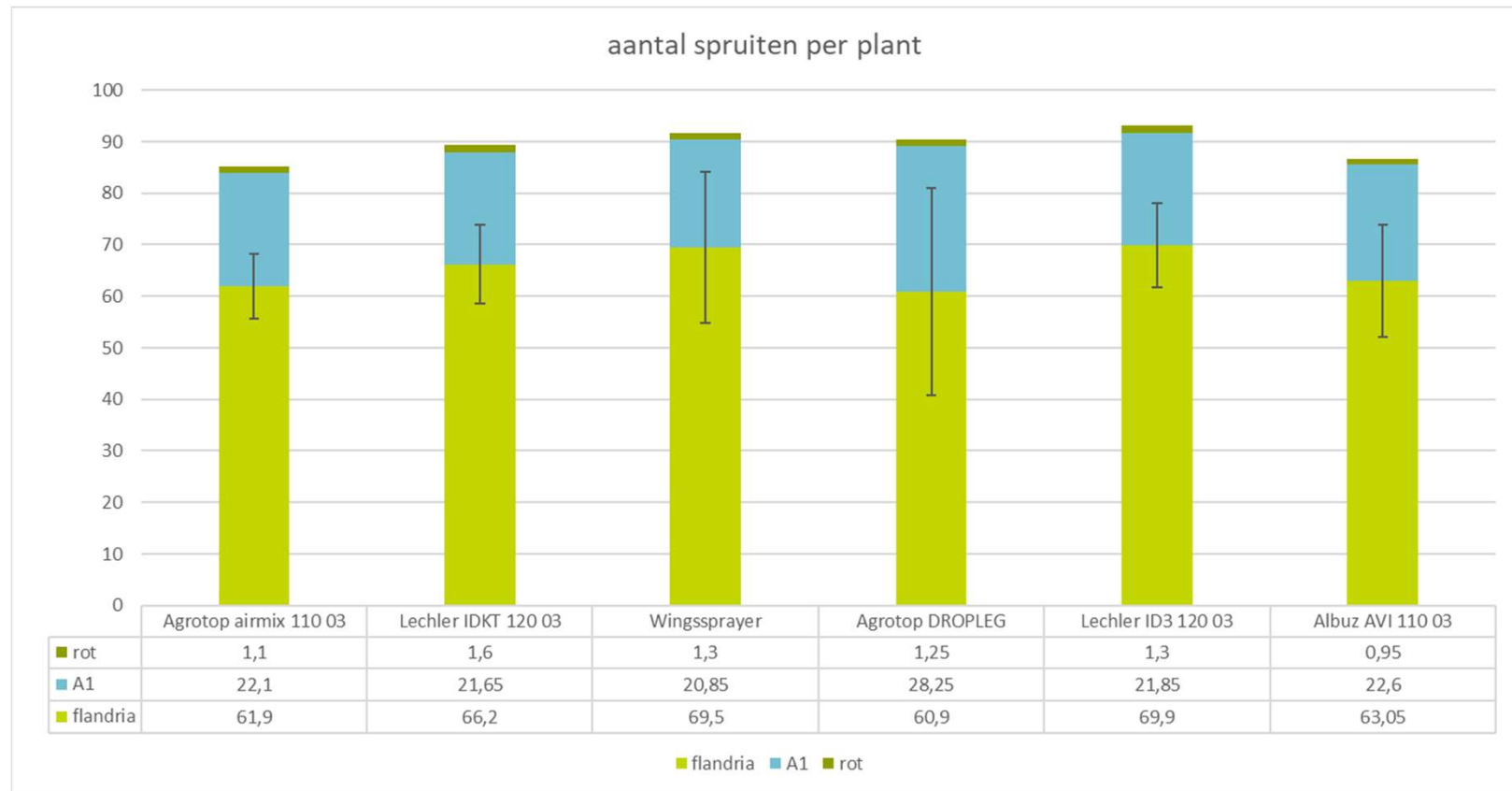
Resultaten

Spuitdruk 5bar - spuitvolume 400L/ha - rijsnelheid 4,6km/h



Resultaten

Spuitdruk 5bar - spuitvolume 400L/ha - rijsnelheid 4,6km/h



Conclusie

- Spuittechniek invloed op resultaat bespuiting
- Effect spuitdoppen/toepassingstechnieken?
- Striktere normen driftreductie ikv IPM
- Invloed van spuitparameters?
- Spuitproeven zijn complex en arbeidsintensief

→ nood aan meer inzicht rond (innovatieve) spuittechnieken



OPTIMALE SPUITTOEPASSINGEN MET
GEWASBESCHERMINGSMIDDELEN (2022-2026)



The logo for KU Leuven consists of the words "KU LEUVEN" in a white, sans-serif font, centered within a dark blue rectangular box.

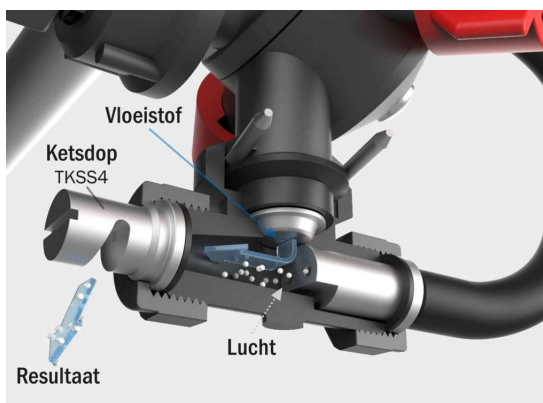
met steun van
AGENTSCHAP
INNOVEREN &
ONDERNEMEN



Vlaanderen
is ondernemen

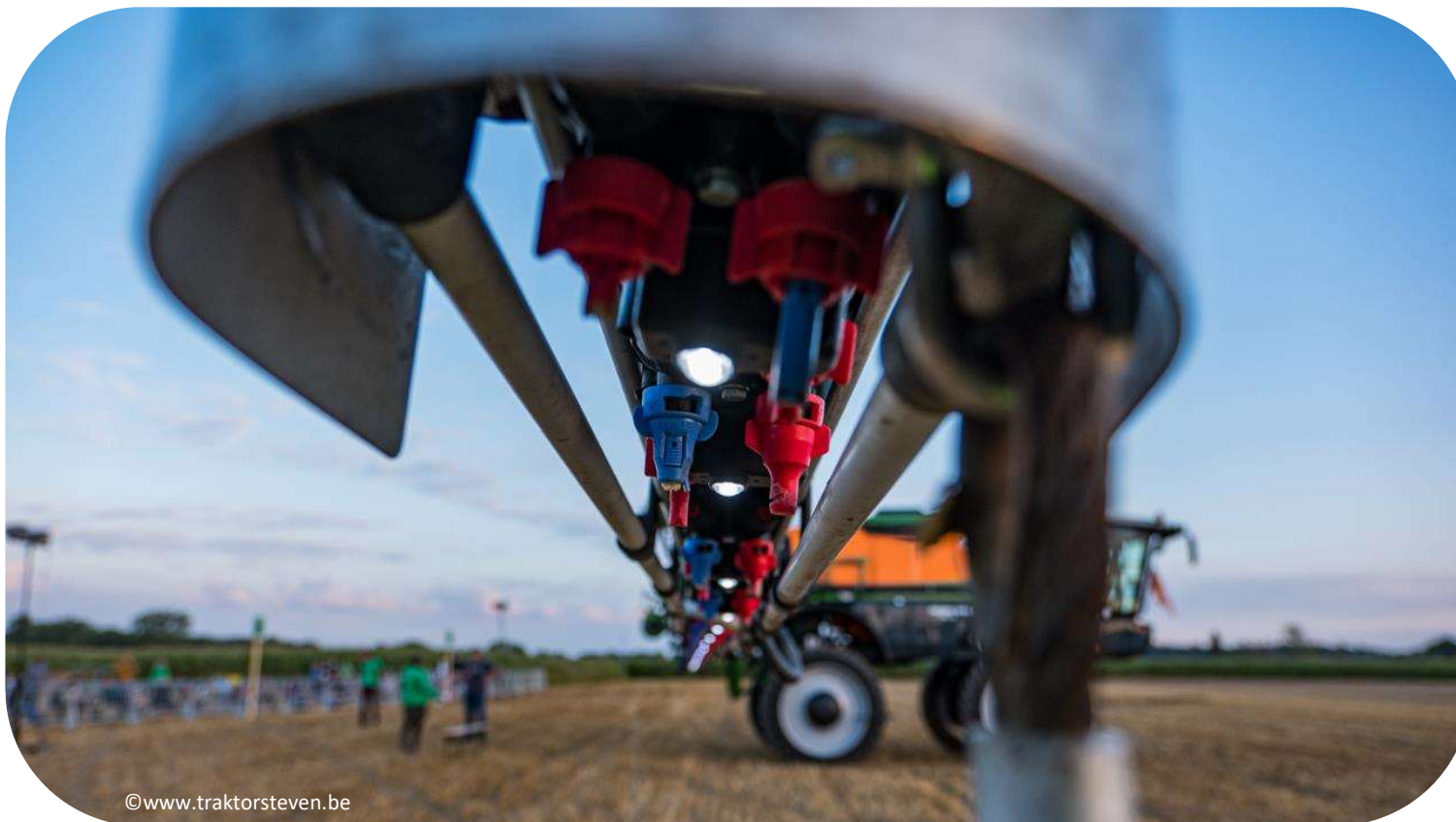


Impact van verschillende spuittechnieken?





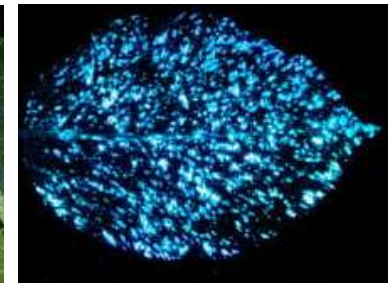
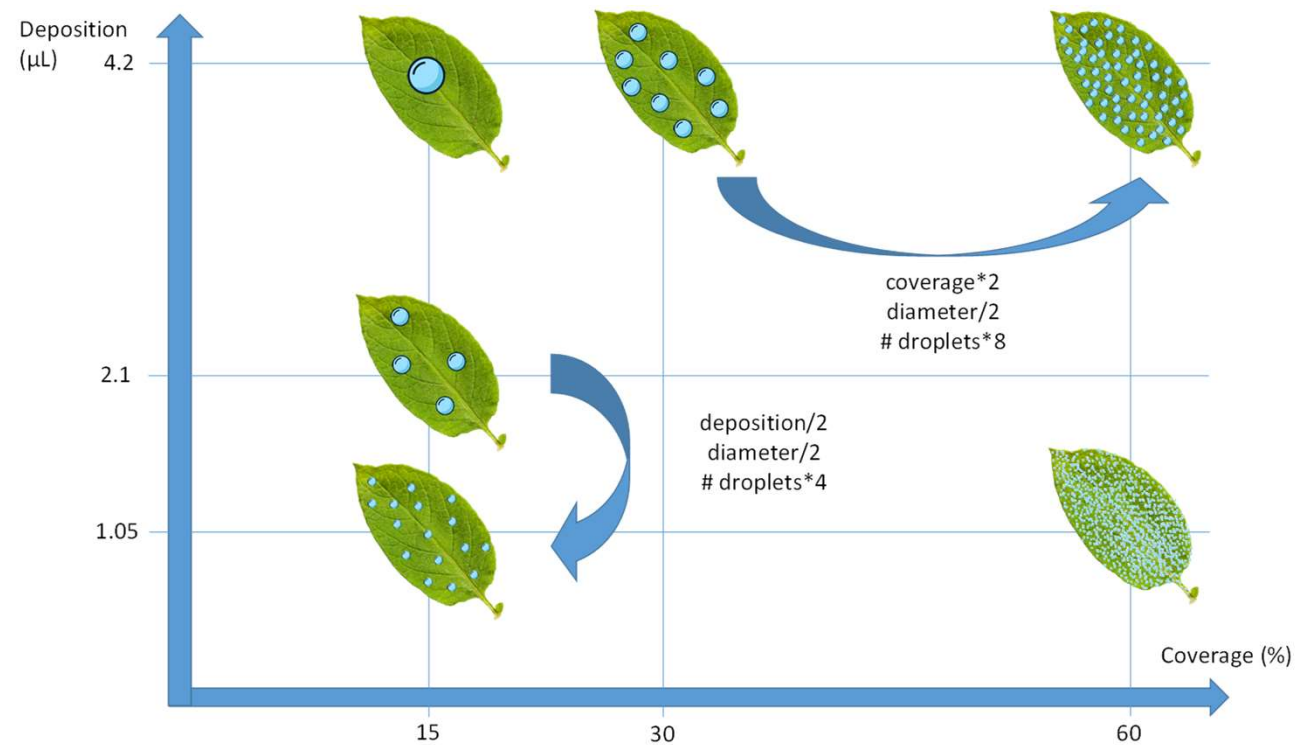
Impact van druk, volume, rijsnelheid?



©www.traktorsteven.be



Druppelgrootte, depositie en bedekking

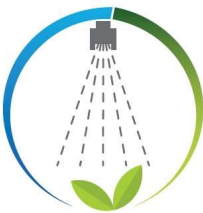


	125 L/ha	85 L/ha	45 L/ha
Fine			
Medium			
Coarse			
Very Coarse			
Extremely Coarse			

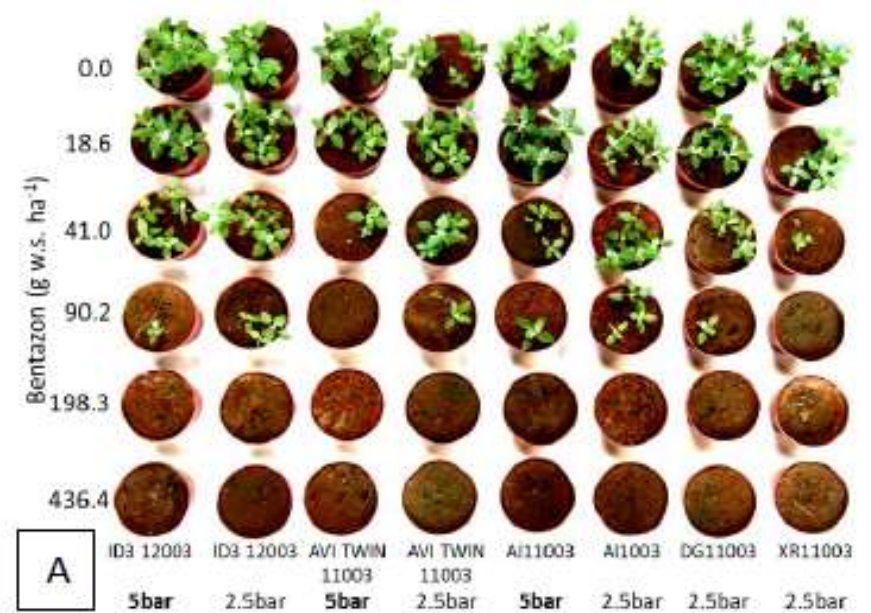
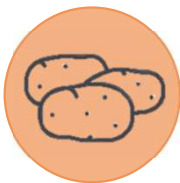


Druppelgrootte, depositie en bedekking





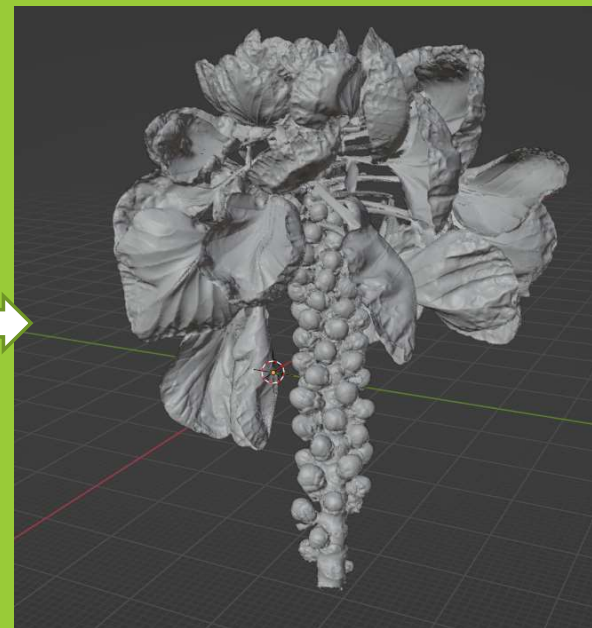
Efficiëntie





Computer modelling spuittraject

Gewasmodel



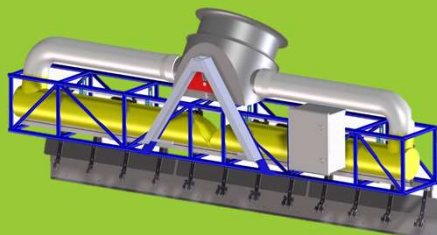
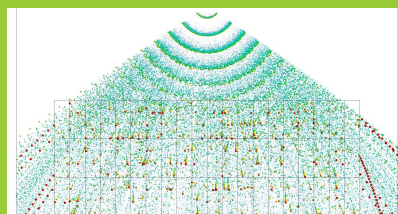


Computer modellering spuittraject

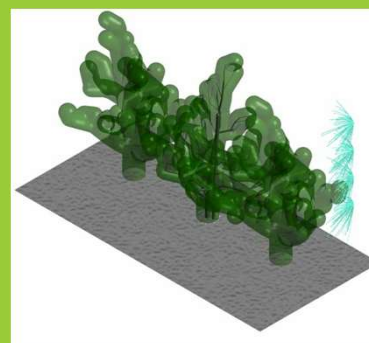
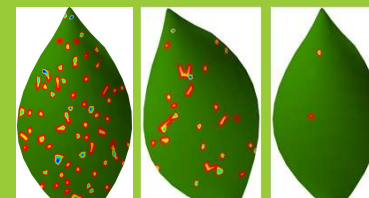
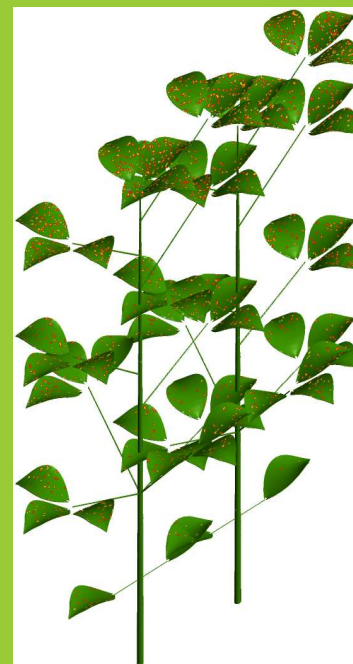
Gewasmodel



Dop- en machinemode



CFD model





OPTiSPRAY spuitapp



- Teelt
- Gewasstadium
- Plaag/ziekte/onkruid

Optimale instellingen
huidige techniek:

- Dop
- Druk
- Volume

Optimale spuittechniek:

- Dop of techniek
- Volume
- Druk



Telers gezocht!!

- Kerngroep landbouw:

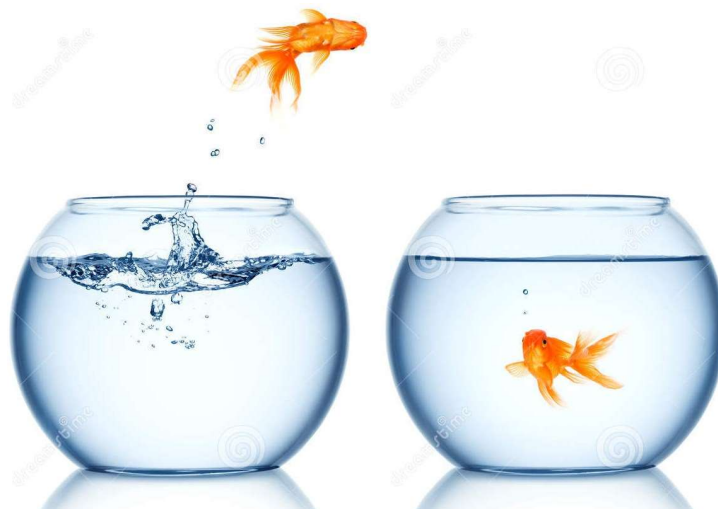
- Jaarlijkse bijeenkomst
- Overleg opbouw OPTiSPRAY spuitapp
- Inspraak spuittechnieken
- Nood aan spuitkooltelers!

- Timing:

- 20/02/23, 13h30: eerste overleg landbouwers – ILVO
- 2024: validatie model in proefvelden
- 2025 en 2026: validatie model in praktijk



Telers gezocht!!



Zin om mee te werken?

Spreek me aan na de vergadering of via:
Jan.vanwijsberghe@inagro.be of 0484 38 88 79

Bedankt voor uw aandacht



Jan Vanwijnsberghe

jan.vanwijnsberghe@inagro.be

+32 484 38 88 79