

CeraMax is part of a new generation of biocontrol products



Ceradis[®] Crop Protection
Green innovations

ABIM

19 October 2020

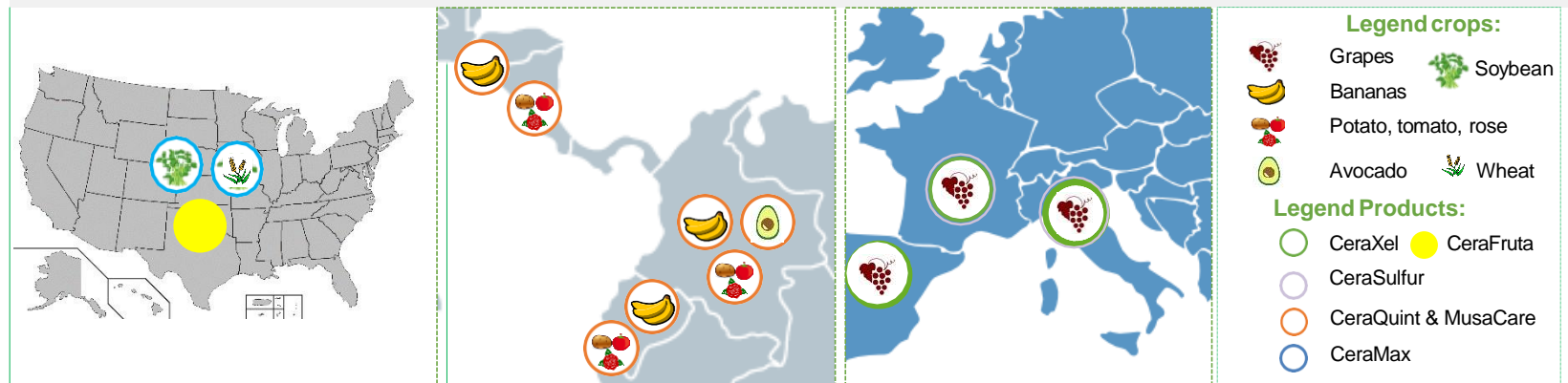
Introduction Ceradis and Ceradis products

- Ceradis goal: reducing chemical loading with 50%
 - Biologicals *without compromises*
 - Dose reduction formulation technologies
- Wageningen university Spin off
 - 4 technology platforms, 11 patents, 12 commercial products, in more than 20 countries
- Industry partner: Ceradis focus on R&D and IP, outsource production and distribution

Key customers



Overview of main products in market



Next Generation Biologicals

	Efficacy	Mode of action	Compatibility	Shelf life	Biological
Main stream products	✓	✓	✓	✓	✗
First Biologicals	✓/✗	✗	✗	✗	✓
Next Generation Biologicals	✓	✓	✓	✓	✓

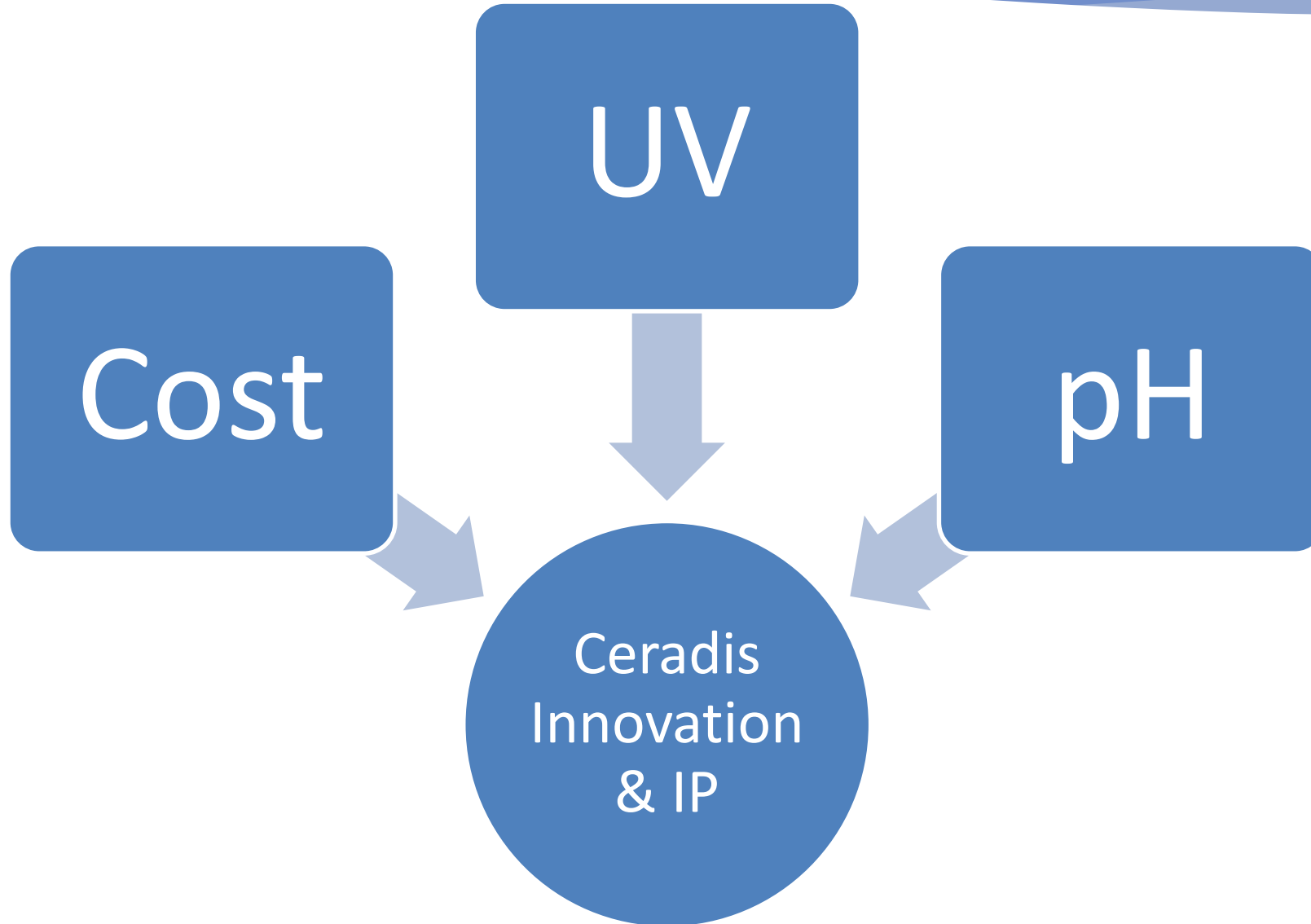
Example of Next generation Biological: Natamycin



Active substance
Natamycin

Efficacy	Mode of action	Compatibility	Shelf life	Biological
✓	✓	✓	✓	✓
Same as chemicals	Known	No problem	No problem	Yes
Broad fungi spectrum	F8: Ergosterol Binding	With chemicals and biologicals	2 year stability	Produced by Bacteria

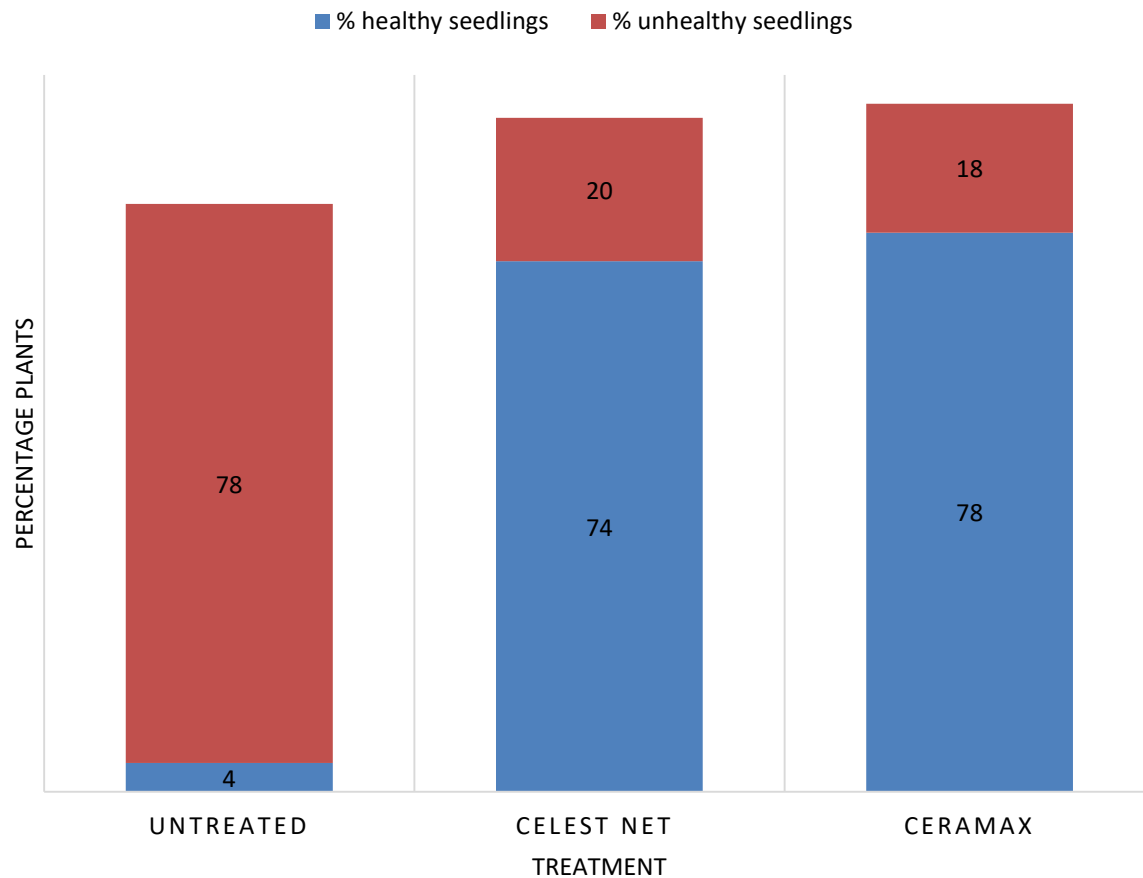
Ceradis' solutions for Natamycin



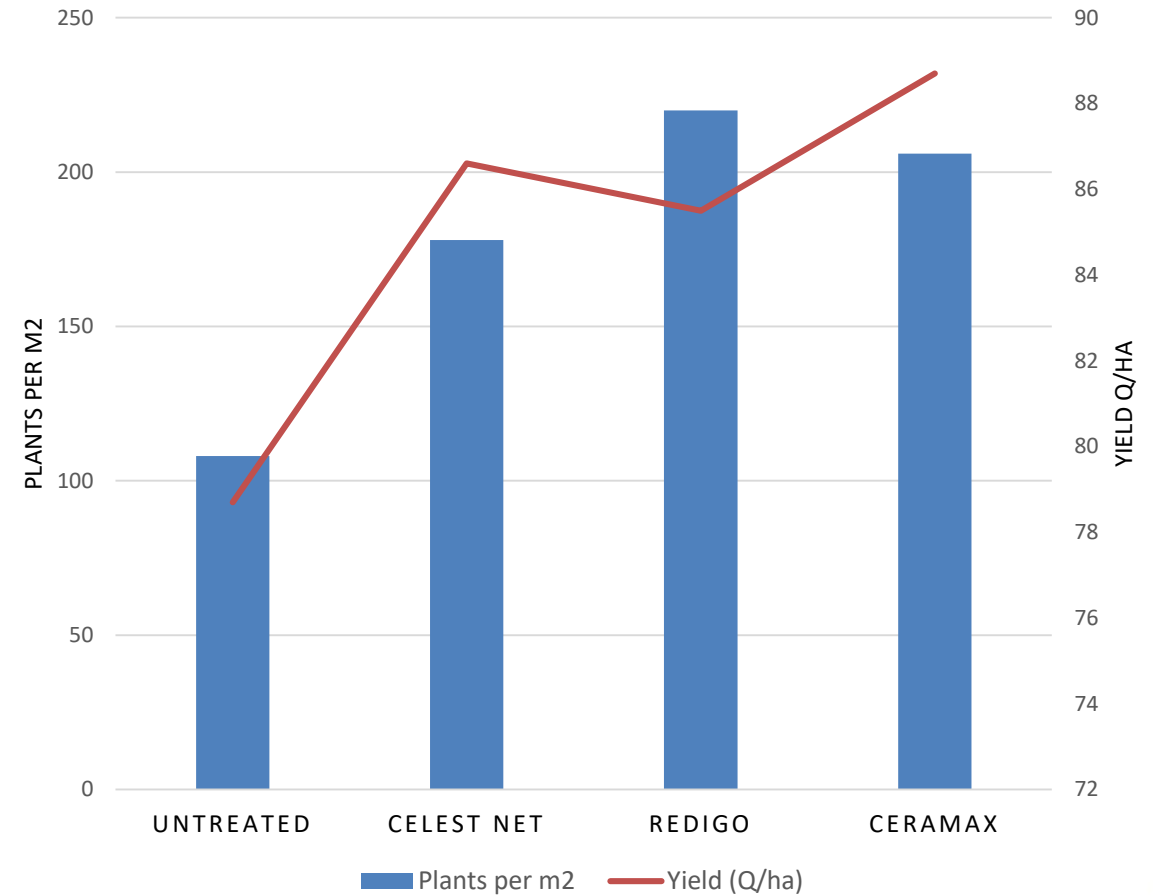
CeraMax controls *Fusarium* in wheat comparable to chemical control

France

GREENHOUSE TRIAL FUSARIUM



FIELD TRIAL FUSARIUM



First market entry for CeraMax is the USA seed treatment market



Seed treatment for the protection against Fusarium on soybean seeds

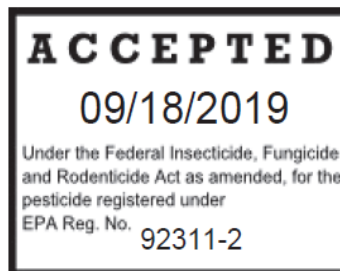
ACTIVE INGREDIENT:

Natamycin 13.459%

OTHER INGREDIENTS: 86.514%

TOTAL 100.000%

Contains 1.25 lbs Natamycin per gallon (150 grams Natamycin per Liter)



Application Rate

Crop	Diseases	Product Use Rate (mL/kg seed)	Product Use Rate (fl. oz. per 100 lbs. seed)
Soybean	<i>Fusarium</i> spp., such as <i>Fusarium virguliforme</i>	0.8 – 1.6	1.23 – 2.46
	<i>Rhizoctonia</i> spp.	0.8	1.23
Corn	<i>Fusarium</i> spp.	0.8	1.23
	<i>Rhizoctonia</i> spp.	0.8	1.23
Wheat	<i>Fusarium</i> spp.	0.8	1.23

Current and potential CeraMax seed treatment crops

CeraMax

- Soybean (registered)
- Corn (registered)
- Wheat (registered)
- Potato
- Cotton
- Canola
- Leaf vegetables

- Expand to more countries and crops..



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CeraMax is a next-generation biofungicide for seed treatment

Thank you for your attention

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