

ECCD, Budapest
18th September 2019

Breeding for Crop Diversity



Nordic Maize breeding
Breeding for diversity in agriculture

Who are we?

- a Dutch innovative, independent organic maizebreeding company
 - ✓ Specialised in ultra early maize (FAO120-180)
 - ✓ With also a small program in winterhardy peas
 - ✓ Grow crops before, after and with maize
- Organic maize seed producer in the Netherlands
- Projects and research
 - ✓ Shortseason Maize
 - ✓ Strip-till and No-till
 - ✓ Biodiversity and Business
 - ✓ Chemical Free Maize



Short Season Maize project 2007-2011

- ✓ Mixtures with legumes
- ✓ Density and rowdistance
- ✓ VCU trial



PRAKTIJKONDERZOEK
PLANT & OMGEVING
WAGeningen UR

Rassenbulletin Ultravroege Snijmais 2014

RASSENONDERZOEK ULTRA VROEGE SNIJMAIS / KORTSEIZOEN KRACHTVOER MAIS (KKM)
Gemiddelde resultaten over 2011 t/m 2013.

Ras*	verlengd grond- bedekking	Plantengte	Veegheid bij opkomst	Droogstof- gehalte in %	Droogstof- gehalte relatief	Zaai- gewicht bij opkomst	Colourscheer- baarsheid NMS	VEA/ghal	Droogstof- opbrengst**	VEA-Opbrengst**	Aantal jaren in onderzoek
NMB1101-12 (Roadrunner)	8	96	9	35.7	113	111	101	101	94	95	3
Activate-12	8.5	110	8	32.5	103	106	99	99	109	109	2
NMB1211-12	9	102	8.5	32.1	102	100	100	100	99	99	1
NMB1226-12	8	97	8.5	32.0	102	98	100	101	90	92	2
NMB1212-12	8.5	105	8.5	31.9	101	94	100	100	96	96	1
NMB1216-12	8.5	101	8.5	31.7	101	100	97	98	106	103	1
DSV175-10	5	99	8	31.7	101	107	99	99	89	87	1
Ambition-10	6.5	115	7	31.0	99	98	97	98	111	109	2



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Biodiversity and Business 2012-2016

*Double cropping mixturesystems
with winterhardy peas and wintercereal*



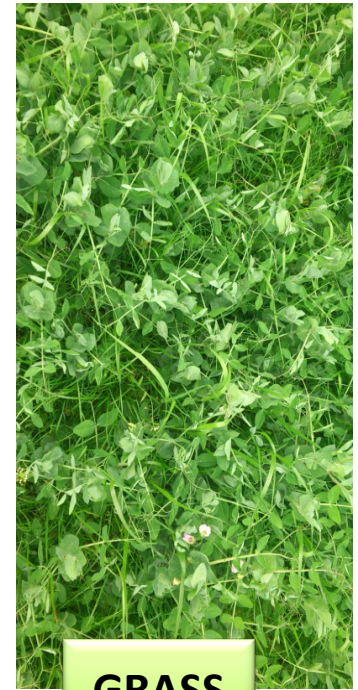
TRITICALE



BARLEY



RYE



GRASS



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Combining Strip-till with biodiversity



Cropp rotation

April	May	June	July	August	September	October
	Maize season					
	(ultra-)early maize				wintercereal/winterhardy peas	
grass/winterhardy peas		(ultra-)early maize				
	(ultra-)early maize				winterrapeseed	
spinach/lettuce		(ultra-)early maize				
	(ultra-)early maize				green manure	
early potatoes/wintercereal			(ultra-)early maize			



Mixtures with maize



**Undersow
grass + runner
beans**



radisch/ japanes oats



**Clover mixture
second year**



Soybean





Clover mix



Tagetes



**Undersow of sorghum
(July)**



September





Thank you for your attention

And please.....

MIX!



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