

Examples of Best Practices Netherlands Liveseed workshop June 2020



Breeding for Organic

Selecting the best suitable parent-lines from our conventional trial fields for the **organic** program at the earliest stage possible, combining the best of both programs

50 Crops – 190 Varieties

Screening Trials – Variety Trials

- ~~34.750~~ field numbers **1.740** field numbers
- ~~8000~~ parent-line selections **400**
- ~~4000~~ trial hybrids **200**

- ~~6 ha~~ trial fields parent lines in Netherlands **0,3 ha**
- ~~9~~ trial fields in Netherlands **1** trial field
- ~~41~~ trial fields in Europe **2** trial fields
- ~~52~~ trials fields outside of Europe **2,5** trial fields


Example Brussels Sprouts



Brussels sprouts (other)

This is a category 2 (sub)crop. It is possible to apply for derogation for the use of non organic propagating material. (Apply for derogation)

Variety name	Selection	Supplier	Available from	BIO/Demeter	
Doric		Bejo Zaden B.V.	8/24/2015		
Hemera		Bejo Zaden B.V.	1/8/2019		
Idemar		Bingenheimer Saatgut AG	2/12/2016	Yes	
Igor		Hild Samen GmbH	1/1/2014		
Neptuno		Bejo Zaden B.V.	8/24/2015		

 Mail us when this variety appears to be no longer available *

Brussels sprouts early (harvest until half November)

This is a category 1 (sub)crop. It is not possible to apply for derogation for the use of non organic propagating material.

Variety name	Selection	Supplier	Available from	BIO/Demeter	
Dagan		Bejo Zaden B.V.	8/24/2015		
Divino		Bejo Zaden B.V.	11/12/2019		
Irene		Bejo Zaden B.V.	12/18/2015		
Nautic		Bejo Zaden B.V.	8/24/2015		
Sofia		Bejo Zaden B.V.	11/12/2018		

Crops index

Brussels sprouts early (harvest until half November)

Brussels sprouts (other)






Example Carrot



- Embryo is eaten by Lygus/Orthops bug
- Sorting after priming/coloring not effective
- Result: germination rate 65%-75%
- France Carrot Nantaise seed = CAT1
- Compensation +20% seeds offered

Example Leek



Biodatabase Home Biodatabase Annex Leveranciers Nieuws Over ons Contact

Zoek in de Biodatabase Voer een zoekterm

Home / Biodatabase / Prei

Prei / Allium porrum L

Prei
Dit is een categorie 2 (sub)gewas. Wanneer een ras niet op de biodatabase vermeld staat, is er de mogelijkheid om ontheffing aan te vragen. (Ontheffing aanvragen)

Rasnaam	Selectie	Leverancier	Beschikbaar vanaf	BIO Demeter
Blaugrüner Winter	Avano	Bingenheimer Saatgut AG	1-1-2014	Ja
Blaugrüner Winter	Husky	Bingenheimer Saatgut AG	1-1-2014	Ja
Blaugrüner Winter	Fairito	Hild Samen GmbH	30-9-2015	
Blauwgroene Herfst	-	De Bolster B.V.	1-1-2014	
Blauwgroene Herfst	Axima	Vitalis Biologische Zaden B.V.	27-2-2014	
Blauwgroene Herfst	Tadoma	Vitalis Biologische Zaden B.V.	1-1-2017	
Blauwgroene Herfst	Pandora	Bejo Zaden B.V.	24-8-2015	
Blauwgroene Herfst	Lancelot	Bejo Zaden B.V.	8-10-2019	
Blauwgroene Winter	Atlanta	Vitalis Biologische Zaden B.V.	27-2-2014	
Blauwgroene Winter	Bandt	Bejo Zaden B.V.	24-8-2015	
Cherokee		Vitalis Biologische Zaden B.V.	4-11-2014	

Gewassenindex
Prei

Skal BIO CONTROLE

Bionext

nak tuinbouw

Ministerie van Landbouw, Natuur en Voedselkwaliteit



- Leek, 25 varieties available as organic seed in NL but not the market leading varieties.
- Intention to introduce Cat1 for Leek 2021
- Introduce part of assortment as organic seed to stimulate development
- Result: trials for autumn/(early) winter Leek 2020

Examples Best Practices

Lessons learned:

- Ensure progress is being made every year
- Be prepared for resistance:
derogation = justified allowance for cheaper conventional seed: price differentiation needed?
- Costs effects for transplanted crops is much less than for direct sown crops
- Make crops experts in the annual meeting responsible for long term targets and make these targets smart
- If availability is limited and/or divided, cut up crop groups into segments
- Be aware that mostly only small steps of progress can be made at a time



Exploring nature
never stops