Organic Seed, Present and Future Developments

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Vitalis Organic Seeds, Holland



Content:

- 1. A short introduction of Vitalis
- 2. Organic Varieties
- 3. Organic Plantbreeding
- 4. The Future of Organic Seeds



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Mission:

To improve the organic vegetable production by providing the growers with appropriate varieties.

Activities:

Selection, production and sales of organic Vegetable- and Herb-seeds for the professional Organic grower.



Vitalis Organic Seed:

Main Sales Areas:

Europe:

Netherlands

Germany

France

England

Italy

Spain

Scandinavia.

Main products:

Lettuce

Tomato

Cucumber

Sweet Pepper

Squash/Pumpkin

Endive/Scarole

Leek

Carrot





Openfield Seedproduction (Spinache F1)



- 1. A short history about Vitalis
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- Successful conventional varieties are often also much grown organically.
- Very good taste more important than maximal harvest.
- More or broader resistances very important.
- Distinguishable and regional varieties.
- Organic Varieties respond to the needs of organic growers and consumers.









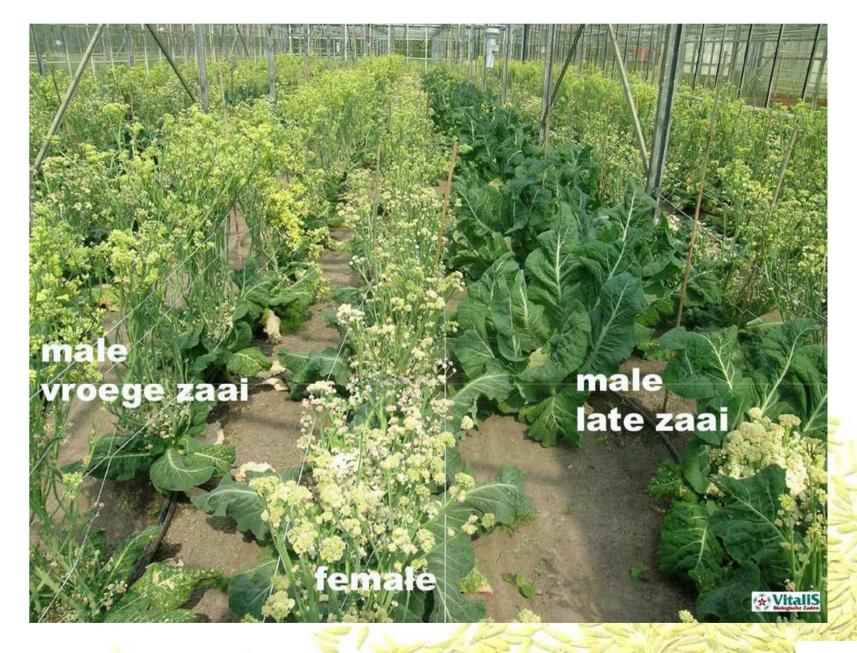


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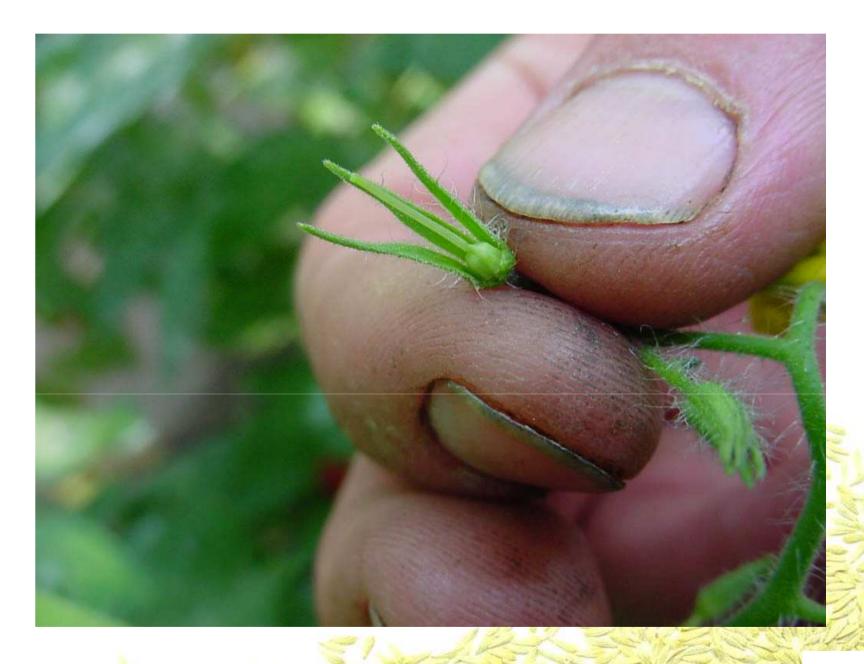
- Most present conventional breeding programs are not conflicting with organic principles.
- Some techniques are not strategic sustainable (R-genes versus Fieldtolerance).
- Some techniques are not conform organic principles (CMS).
- Non-gmo gentech is dominating more and more conventional breeding (markers, cysgenese, etc.)
- Only Organic Plantbreeding can guarantee the application of appropriate techniques.





SI hybrid seedproduction Cauliflower





Tomato female line - emasculated by hand.





Tomato male line - pollen collector





Tomato female line - pollination





Hybrid seedproduction, Sweet Pepper



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- Organic Growers can work with conventional seeds quite well, ... still.
- Organic Plantbreeding will be necessary and crucial in the near future, but...
- Organic Plantbreeding is not possible without commitment of the rest of the chain.
- Organic Plantbreeding starts with the production and use of Organic Seed.
- The future of Organic Seed depends on initiatives in the organic movement; not from central regulations.



Trialfield Lettuce varieties



Thank you for your attention