Working Group

»Bauernparadeiser«

(Farmers' Tomatoes)





Content:

- 1) Status quomato
- 2) Objectives and Partners
- 3) Challenges
- **4)** Activities
- 5) Future Prospects



Status quomato in Austria

- > dominance of **hybrid seeds** in organic tomato production
- > varieties bred for retail industry red, round and firm
- > growing demand for interesting varieties and taste
- > challenges of open-pollinating cultivars yield, health



Objectives of the »Bauernparadeiser« Group

Improved regionally adapted cultivars for organic farming

- > independence from seed companies
- > improved taste and vitality of cultivars
- > well working niche products
- > enhancing biodiversity on farms



Priorities

concerning selection goals

ATTRIBUTE	<pre>»very important« (number of mentions)</pre>	<pre>»important« (number of mentions)</pre>	
Taste	11	2	
Plant health	10	1	
Constant yield	5	5	
Appearance	3	7	
Early ripening	2	5	
Vitality	1	6	
Long harvesting period	0	8	
Few cracks in the fruit	0	4	
Few physiological proble	ms o	4	
Few green collard fruits	0	3	
Uniformity	0	3	



Partners

of the »Bauernparadeiser« Group

- > Organic farmers
- > Organic farmers' association BIO AUSTRIA
- > Seed saver's organisation Arche Noah
- > Horticultural school and research stations
- > University of Applied Life Sciences Vienna (BOKU)



Challenges of open pollinating tomato varieties

- often no pathogen resistances
 (Phytophthora infestans, Cladosporium fulvum)
- > low yield, especially beef tomatoes
- > low storability
- > seedborne diseases
- > plants often grow under suboptimal conditions
 - > open field
 - > poorly ventilated polytunnels



Activities

of the "Bauernparadeiser" Group

- > regular **meetings** & knowledge exchange
- > systematic cultivar screenings including tasting sessions
- > conservation breeding
- breeding attempts to gainCladosporium resistant lines
- > excursions
- > diagnosis of diseases
- > research involving students





Activities

of the »Bauernparadeiser« Group









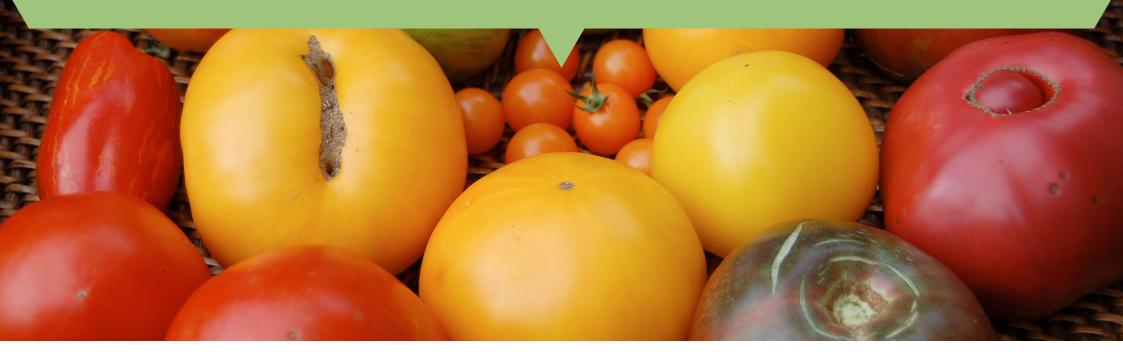
Future Prospects

of the »Bauernparadeiser «Group

- More focus on farm management in addition to the use of suitable cultivars
- > measures to improve seed quality
- information day to discuss participatory breeding models in other countries
- > common brand?
- voluntary engagement has limits –
 funding necessary



Thank you for your attention!



Sources:



LAMMER, P. (2014): Samtfleckenresistente Bauernparadeiser – Partizipative Ansätze bei der Sortenentwicklung von Tomaten. Biogemüsefibel 2014 Infos aus Praxis, Beratung und Forschung rund um den Biogemüse- und Kartoffelbau. Ländliches Fortbildungsinstitut Österreich, Wien.

WEISSINGER, H. (2013): Participatory screening and breeding of open pollinating tomato cultivars for organic production in Austria. Proceedings of 3rd International Horticultural Conference for Post-graduate students 2013, Mendel University in Brno, Faculty of Horticulture Lednice

Photos in Presentation by Philipp Lammer, Franziska Lerch, Elfriede Stopper and Helene Weissinger. Photo above: www.pinterest.com