

## Working Group

# » Bauernparadeiser « (Farmers' Tomatoes)



ARCHE NOAH

A presentation by Daniel Bayer & Theresia Widhalm

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# 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	»very important« (number of mentions)	»important« (number of mentions)
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 problems	0	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 gain **Cladosporium resistant lines**
- › **excursions**
- › **diagnosis of diseases**
- › **research** involving students





# Activities

of the »Bauernparadeiser« Group



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# 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:

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