

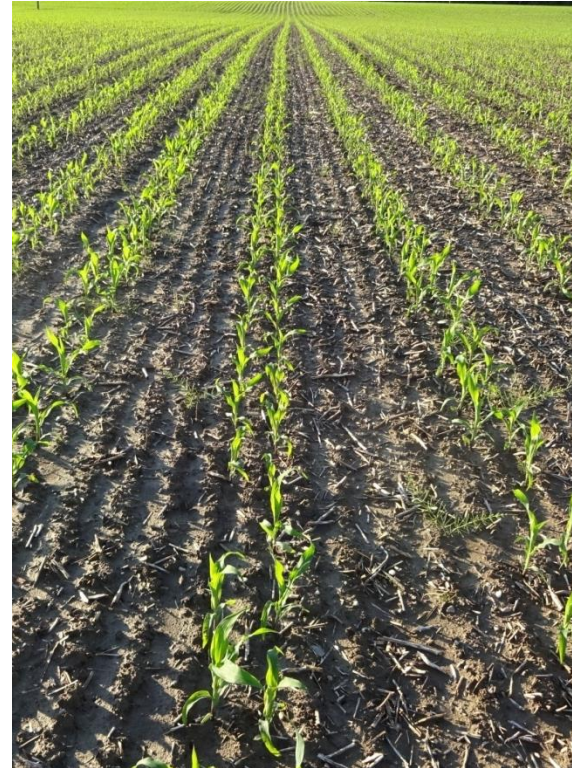
Innovative soil protection with PÖTTINGER

Markus Baldinger, 27. feb. 2018



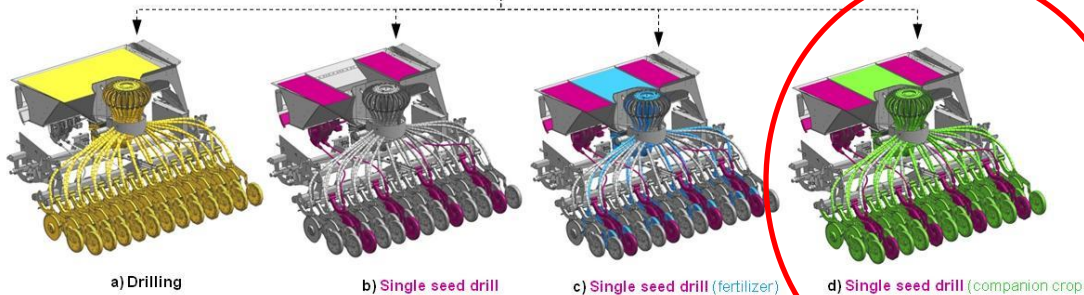
AEROSEM DUPLEX SEED: Corn planting

- Erosion protection
- Planting maize in a double row creates the perfect distribution density conditions for
- 70% more space available per plant
 - ➔ Roots have more space to spread out in the soil - less competition
- Maize crop can actively absorb more sunlight
- Improved ground shade
 - ➔ reduces water losses



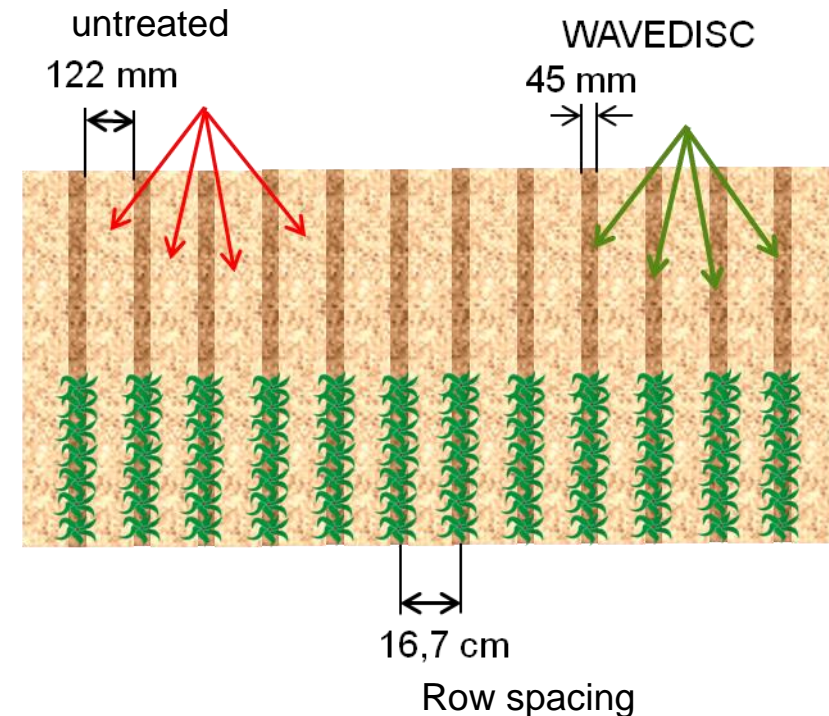
AEROSEM: Perfect companion crop seeding

- Sowing of crop and undersowing combined in one passage (and in the row) → optimum plant distribution
- Erosion protection (compared to standard crop drilling)
 - less than 50% water runoff
 - less than 50% soil run off



WAVE DISC: Low disturbance sowing

- No full-surface soil preparation
- Trouble-free sowing in wet and sticky conditions
- Water saving processing in strips
 - ➔ reliable germination in dry areas
- Erosion control
 - ➔ unworked strips between



Camera-supported seedbed preparation

- Target: reduction of erosion
- Reduce the fine earth component to a minimum in relation to the need of the following crop
 - ➔ Seedbed: as coarse as possible – as fine as necessary
- The challenges for the driver:
 - ➔ adapt the tillage intensity to the culture – homogenous plant stock
- The technical solution of PÖTTINGER:
 - ➔ the result: speed of tractor and rotors get adjusted automatically in relation to a given value

