

Ingredients for soil fertility in vegetable production

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- 1.Organic matter management
- 2.Green manure strategy
- 3. Controlled traffic farming in vegetable production





- Benefits of vegetable growing season
- Crop rotation disease be aware of Crucifera Avoid seed production by cutting or mowing (ex.Borago, oil radish, buckweat)
- Urgent soil recovery taproots!
- Weed suppression = growth and cover speed Biomass production by mixtures of highly potential species
- Handling green manure before soil tillage? Nematode control





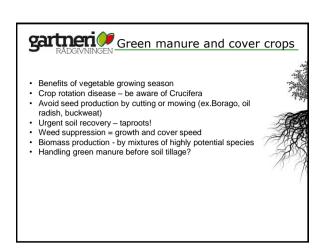
- · High sowing density
 - · Increased and faster cover effect
 - · Smaller and more shallow roots
- · Lower C/N-ratio
- Low sowing density
 - Reduced cover effect
 - · Deeper and more vigorous rooting system



gartneri Mixtures do the job

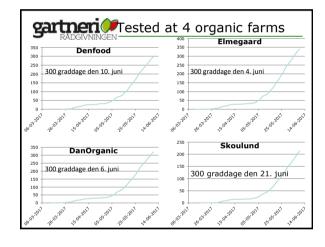
- · Multi-species mixtures of cover crops increase agro-ecosystem services
 - · Weed suppression
 - · Increased ground cover
 - Increased above-ground biomass
 - · Reduced weed biomass
 - · More effective nitrogen retention
 - · Large degree of functional complementarity among different legume species
 - · Stability of performance and establishment
 - Combined legumes and non-legumes cover crops synchronize better with the following crop

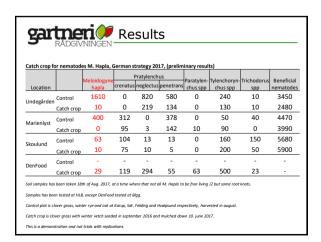


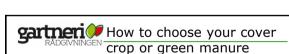












- Mineralization potential in the field
- Soil type
- · Choose your purpose
 - nitrogen producing or –catching, soil reviving, organic matter, etc.)
- Potential sowing date
- · Degree of sensitiveness to frost
- Crop rotation
 - crucifera, potatoes, onions, carrots etc.
- · When to establish next crop
- · And what crop to establish

