

Organic greenhouse production in Norway



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New EU-regulations

- Greenhouse vegetables must be grown in soil with contact to subsoil
- Not included: flowers and herbs sold together with growth media.
- Lettuce: unsure

Norway today

- All but one organic greenhouse grower, grow vegetables in growbags.



Bilde 1) Økologisk av tomat (venstre) og agurk (høyre) i begrenset medium. Foto Astrid S. Andersen



*Økologisk
tomatproduksjon i
bakken. Foto
Astrid S.
Andersen.*

Pro's and con's

Pros	Cons
<p>Bigger soil volume per plant can give better effect of organic fertilizer</p>	<p>Many growers would have to make big investments to change productions system</p> <p>Soil pathogens</p> <p>Accumulation of nutrients (salts)</p> <p>Generally lower yields in this production system compared to growbags</p>

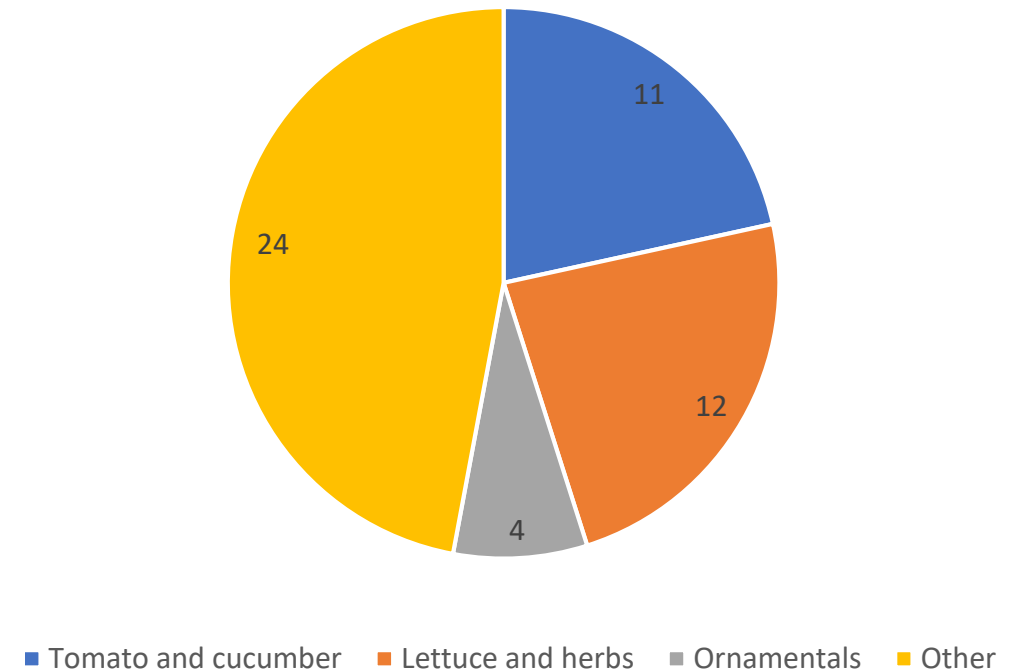
Contentious innputs from organic greenhouse production

- Plastic (bags, flor cover, lines, pots)
- Energy (heat, light)
- Peat (In total about 150 m³ of peat a year in tomato)
- Organic fertilizer from non-certified organic production

Size of production

- Total organic production under glass/plastic according to Debio 2017 was app. 51 daa
- App. 27 daa of this is tomato, cucumber, lettuce, herb and ornamentals
- The rest is most likely smallplant production for field production, and small greenhouse productions.

Production





Økologiske tomater i veksthus. Foto Astrid S. Andersen