



2018 / 2019

newspaper items about pigfarming

Party for the Animals accuses government being lax about piglet mortality

The curse of eating meat; bad for climate, environment and people

Resistance to building mega farms

77 Arrests during stable occupation in Boxtel

Millions of pigs less, how much nitrogen emissions can be saved?

Get rid of the smell; money for pig farmer who stops

900 pigs suffocated in stable due to power failure

All 2500 pigs die in fire in Didam

Farmers struggle for their survival

Many farmers have been living in poverty for years

"difficult to hold on to the passion for pigs"

Use of Soya contributes to deforestation

Farmers should switch to circular agriculture



Zonvarken solutions to these themes

Piglet mortality

Meat vs. climate

Mega farms

Stable occupation

Nitrogen emissions

Odour nuisance

Suffocated power failure

Pigs die in fire

Struggle to survive

Farmers lives in poverty

Keep the passion

Use of soy

circular agriculture

Robust breeds & extra labour at birth

Steps to climate neutral pork

Small-scale (family owned) farms

Many extra's on animal welfare

Avoid liquid manure + daily removal of manure

All animals can go outside 24 / 7 + natural ventilation

Farmers with a socially accepted system with sales and price guarantees

Circular feed without use of soybean expeller







SSF- Family Loft System (Specific Stress Free)

- Sows are kept per 2 during lactation
- Piglets stay in the same pen with straw from birth to slaughter
- Weaning at 8 weeks by moving the sow
- This system prevents stress and improves well-being

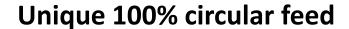


Outdoor grazing & rooting

- The pigs are kept at least at welfare rules that are applicable to organic farms as well
- In addition: pregnant sows have access to the meadow.
- But also the fattening pigs periodically come on unpaved surfaces to root. !







- All Zonvarken pigs are fed completely with former foodstuffs and co-products of human nutrition.
- No feed food competition
- No agricultural land is needed to grow their feed.
- The <u>carbon footprint</u> of this feed is considerably smaller















unsold bread
seavings of crackers, chips,
cookies
wheat semolina
co-products of meat
substitutes
malt sprouts
oat hulls
apple molasses
apple pulp
peanut expellet

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The way to climate-neutral pork

- Circular feed: 50-60% CO2 reduction depending on recipes + where to compare with;
- On the roofs of our stables is sedum (green roof) and solar panels
- Innovative manure separation reduces the greenhouse gas methane by up to 90%
- Once the separated urine has been accepted as a substitute for chemical fertilizer, we should be able to produce climate neutral pork.





Ultimate separation of manure and urine

- No phosphourus detectible in the liquid fraction
- Minimal ammonia emission (nitrogen) by avoiding existance of liquid manure
- Maximum reduction on methane and smell!
- Less nitrogen washout of nitrogen on land compared to chemical fertiliser and liquid manure.
- Straw rich manure contributes to bio-diversity





