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Eine Volksinitiative
#LebenstattGift



**Für eine Schweiz ohne
synthetische Pestizide**

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synthetische Pestizide**

#VieOuPoison

- Citizen movement
- Apolitical
- Variety of professional backgrounds
- Concerned by adverse effects of synthetic pesticides

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Why launch the initiative?

- Thousands of independent scientific studies show adverse health effects
- Cancer, Parkinson's disease, attention deficit disorder (ADD), genital anomalies in boys, early puberty, reduced fertility, diabetes
- No health statistics in Switzerland: not seen, not caught!
- Officially: there is no danger
- The reality is different

- There are two types of studies
- Industry studies are secret
- Universities studies
- Not the same results, protocol
- Long-term effects remain unclear
- Low concentrations, critical period
- Endocrine disruptions, cocktail effects
- Epidemiological studies
- Protocol used gives a limited view from which ADI are deduced



Endocrine disrupting pesticides TEDX list

Residues commonly found in food	ADI Acceptable Daily Intake
Boscalide	40 micro-g/kg
Chlorpyrifos	1 micro-g/kg
Fludioxonil	400 micro-g/kg
Imazalil	30 micro-g/kg
Tebuconazole	30 micro-g/kg
Imidacloprid	60 micro-g/kg

Prescribed hormones	Doses
Thyroid hormone T4	1.6 micro-g/kg
Estrogen hormone	1.86 micro-g/kg

Proven endocrine effects at doses below the ADI

The Acceptable Daily Intake ADI does not protect the population

What to do?

- Ban the most dangerous substances? 10-15 years, accumulation in soil
- Arms race
- Influence of Lobbies: agricultural advisors, certification agencies, politicians, publishers of scientific journals
- New molecules are quickly approved

Main points of the initiative

- It only applies to synthetic pesticides for plants: agriculture, processing, landscape maintenance
- Includes imports: population protection, unfair foreign competition
- Transition period of 10 years
- Definition of a synthetic pesticide: All pesticides except biopesticides. A biopesticide is a plant protection product based on living organisms or substances of natural origin

Is it possible?

- Bio – conventional 14% of the territory
- FiBL trial 40 years, -20% yield main crops
- 42% of the Swiss flat lands used to produce animal's feed
- 37% plant foods produced in Switzerland, 100% meat
- 56% food self-sufficiency low production in cereal, fruit and vegetable
- Food security: less meat, more plant foods, scrap loss (2'600'000 t/an)
- 10 years transition period resistant varieties, biocontrol, new digital and mechanical technologies