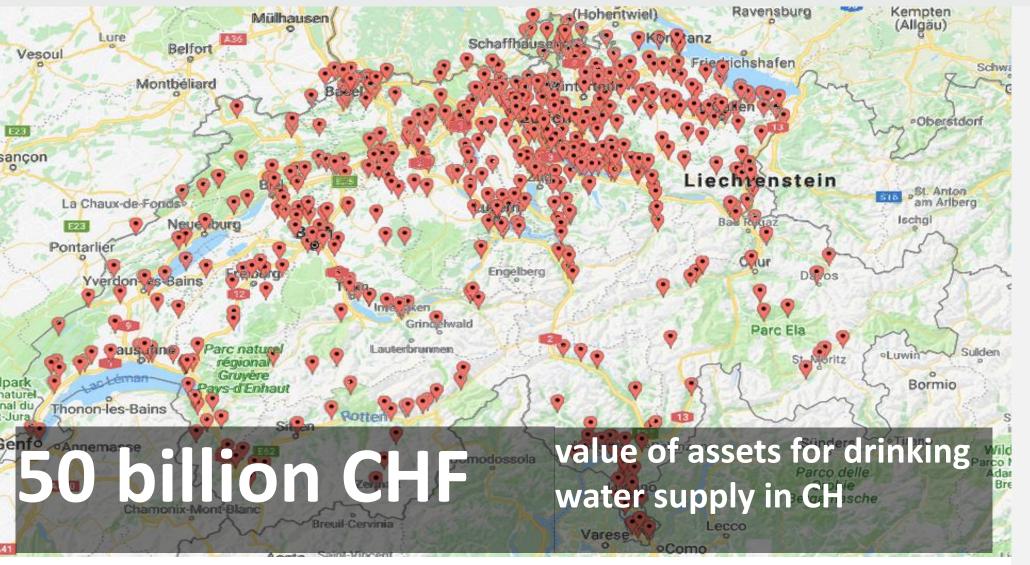
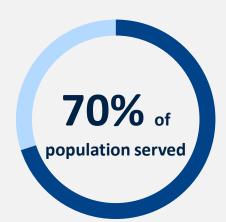


Swiss Association of Water Utilities SVGW representing 530 drinking water utilities



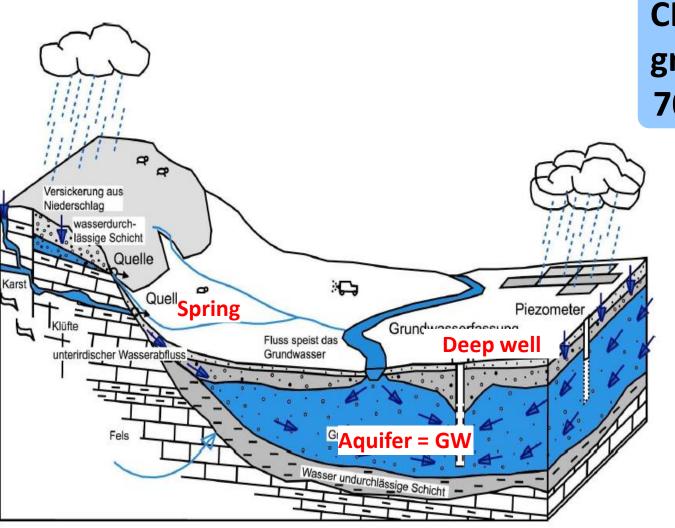


SVGW services:

- Safe guard of drinking water quality
- Knowledge platform
- Vocational training
- Setting of technical rules and standards
- Audits and certification
- Resource protection



Sources of drinking water in Switzerland



CH: 80% of drinking water comes from groundwater (deep wells and springs), 70% no need for advanced treatment!

40%: deep wells

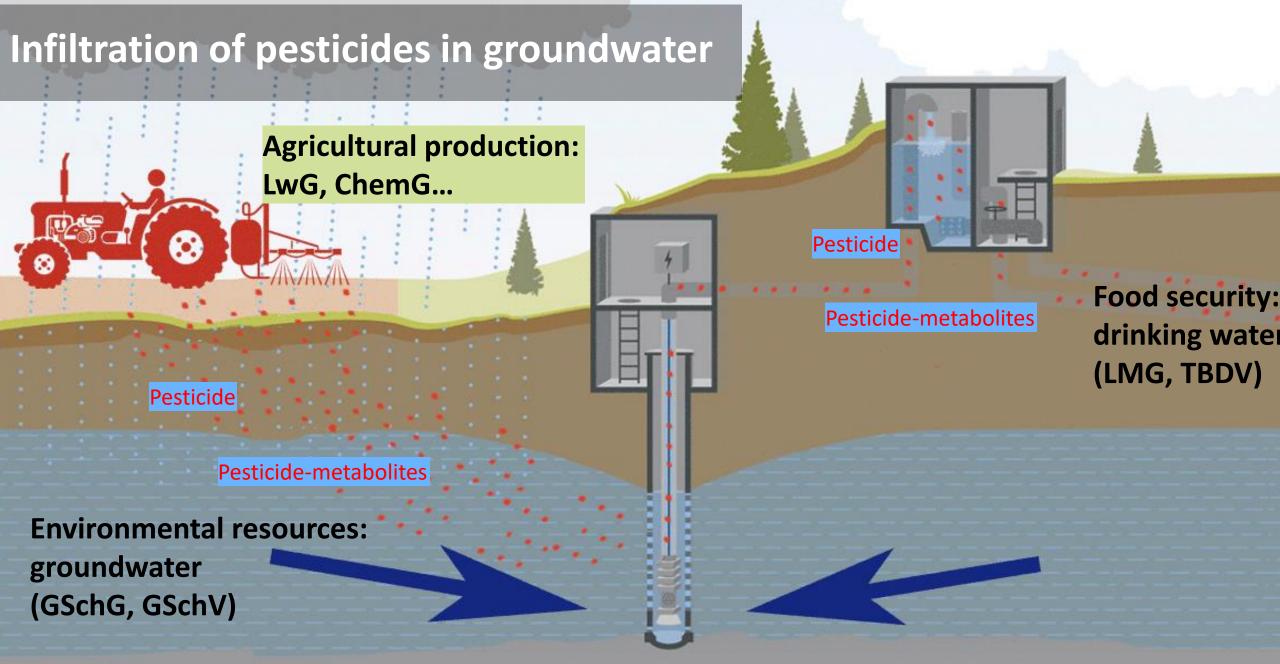


40%: springs



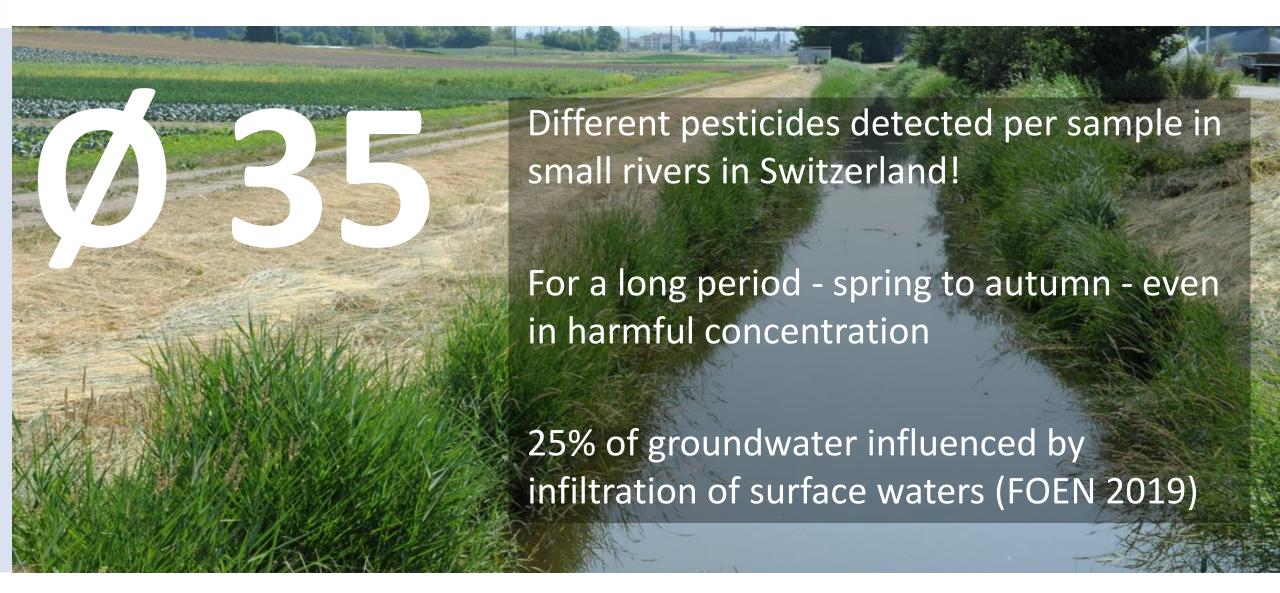


Source: FOEN, 2019





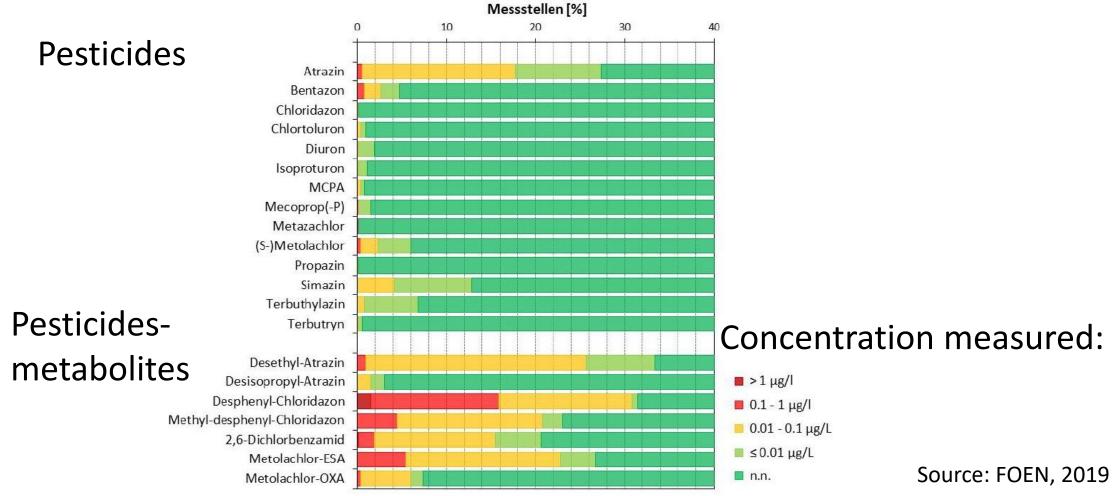
All water resources under heavy pressure through pesticides





National groundwater monitoring programm (NAQUA)

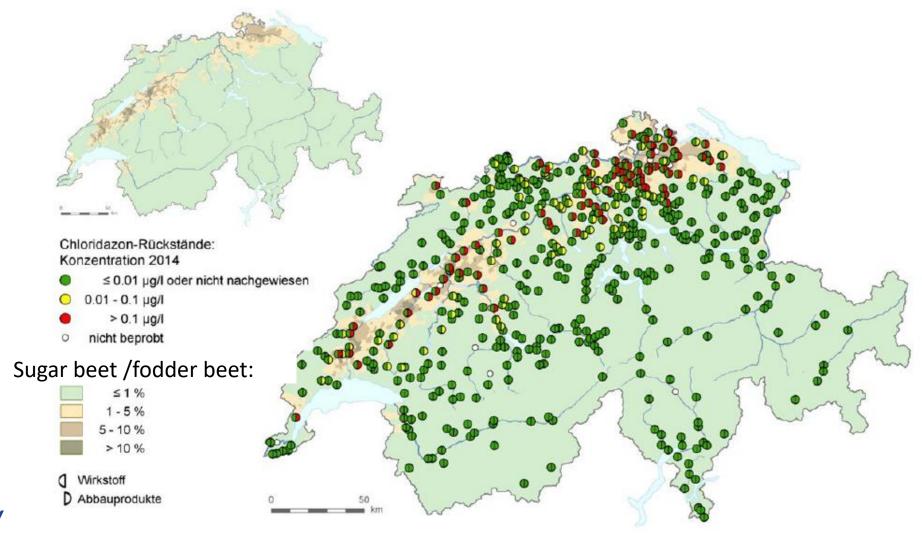
Results: agriculture pesticides for pest control (2014)





NAQUA: regional pattern of pesticides in groundwater e.g. Chloridazon mainly in sugar and fodder beet cultivation

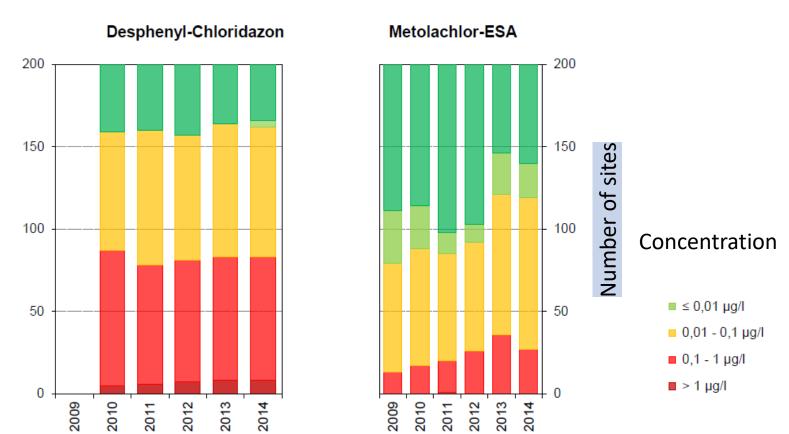
Chloridazon: regional concentration pattern for main substance and metabolites





NAQUA: Pesticide concentration in groundwater

Results: time line of concentration of 2 pesticide metabolites in groundwater





Source: FOEN, 2017

Pesticides in drinking water in Switzerland

70%

of groundwater sampling sites with main land use *farmland* show concentration of **pesticides** or **metabolites** > 0.1 µg/L

Atrazine detected in many water samples > 0.1 µg/L (was banned 2007 in CH)

New substances detected, e.g. Chlorothalonil

Unknown impact of cocktail of pesticides in ground- and drinking water

Consumer and water utilities don't want pesticides to be in drinking water!

Chlorothalonil – from a «nice helper» to a «No Go»



as «relevant» (May 2019)

Chlorothalonil-metabolites

Trinkwasser

Precaution P

Chlorothalonil

We have huge problems with pesticides and metabolites in groundwater and drinking water – for decades!







SVGW proposes focused measures to reduce risks from pesticides for drinking water (similar as implemented in Denmark)



Pesticides incl. biocides:

- 1. Goal for reduction of use of pesticides*, in particular in vicinity of water supply wells and protection areas
- 2. No homologation of pesticides with dangerous effects

*: pesticides incl. biocides; compounds for organic farming excluded; goal for reduction over time to be defined in law; measures to be developed by actors of agricultural sectors themselves

