LOWERING ENVIRONMENTAL IMPACT IN THE ETHIOPIAN FLOWER INDUSTRY

the sustainable trade initiative

The adoption of constructed wetlands and biocontrol on rose farms at lake Ziway, Ethiopia

KEY ACTIVITIES

Analysing
Technical characteristics, costs and benefits of the intervention, economic and social impacts

Supporting & Co-funding
Building systems and supporting the testing and know-how

Research & Training
Open new opportunities, support trainings and share knowledge

PROJECTS IMPLEMENTED

Constructed Wetlands

- Investigating solutions to reduce waste water
- Test the effectiveness of the wetlands
- Improving & scaling wetlands

See more

Upscaling IPM

- Introduction of new biologicals for new pests
- Open opportunities for IPM in Ethiopia and other production countries with similar climates
- Focussing on plant health

See more

JOINED IMPACT

42%
Water saved per day

up to
20%
Reduction of agrochemical application due to IPM

99.9%
Pesticide residue reduction through IPM and wetlands

Reduced environmental impact & dependency on the lake

IMPACT WETLANDS INTERVENTIONS

- 67 wetlands with capacity to treat all water from the 525 ha farm
- Better water stewardship
- Minimum maintaince required
- Government recognition and support

IMPACT IPM INTERVENTIONS

- **100%** of farm arceage under IPM
- Higher production returns in the long term
- Improved quality of the products
- 250 workers and 10 supervisors trained on scouting and IPM techniques
- Up to 30% reduction of residue levels

PARTNERS

FSI 2020
AFRI FLORA
ECOPAT
Sher Ethiopia
the sustainable trade initiative
KOPPERT BIOLOGICAL SYSTEMS

ADDED BENEFITS OF COMBINED IPM & WETLANDS SYSTEMS

- **Reduced water use & safer waste water treatments leading to 100% recycling**
- **Safer working environment and reduced risk to workers**
- **Crop health is less dependent on human interventions**
- **Pro-actively meeting future market access & requirements**