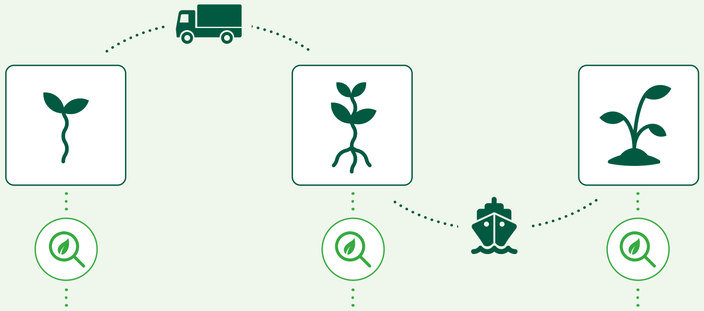
REDUCING ENVIRONMENTAL IMPACT IN THE FLORICULTURE SUPPLY CHAIN

the sustainable trade initiative

Chain Transparency 2.0: increased transparency in global supply chains for improved pesticide management

INTRODUCTION

Flowers and plants are produced and traded around the world, with pesticides used across the global chain stages to protect them from pests and diseases.



In “Chain Transparency 2.0”, a project financed by IDH and supported by FSI, MPS and 13 other FSI members collaborated to analyse the plant production process of 22 companies between 2016 to 2019 to create knowledge and awareness on pesticide use and management.

PARTNERS

MPS driven by sustainability

FSI 2020

the sustainable trade initiative

SUPPORTERS

Anthura unlimited in varieties

Floricultura ORCHIDACEAE & ARACEAE

SALM

DÜMMEN ORANGE

DUTCH FLOWER GROUP

GREENYARD

KOPPERT BIOLOGICAL SYSTEMS

Royal Flora Holland

VAN DIJK FLORA

Flower trade consult

WATERDRINKER aalsmeer

Royal Lemkes

TUINBRANCHE NEDERLAND

ACTIVITIES

Development of **data analysis tools** to map and assess the risks in the supply chain

Data analysis for **22 company** sites at different supply chain stages

Continuous comparison with **1818 MPS-ABC certified companies** as reference

RESULTS

Increased transparency, communication and **mutual understanding** between chain actors

Best practices applied on **250 hectares** of land

Development of tools: Supply chain mapping tool, Environmental Impact Indicator, IPM tool

IMPACT

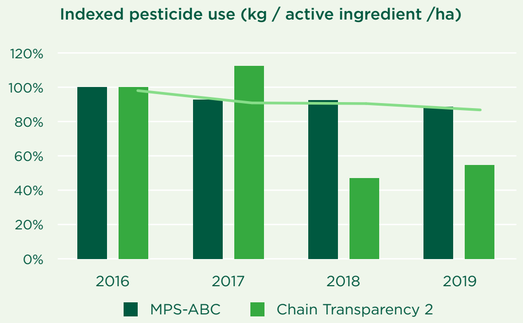
Substantial reductions in pesticide use* and environmental impact, even when compared to MPS-ABC certified companies:

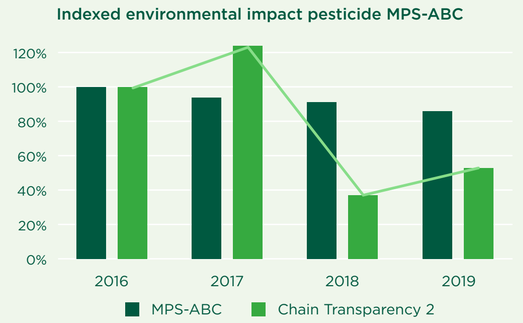
45% Reduction of used pesticide volumes

64% Reduction of high-risk active ingredients, with a high potential risk for the environment

47% Reduction of indexed environmental impact

DOWNWARD TREND IN INDEXED PESTICIDE USE AND ENVIRONMENTAL IMPACT





*Kilograms of active ingredient per hectare

BENEFITS

Increased supply chain transparency and alignment with societal expectations for sustainability

Better informed pest management strategies, enabling healthier working conditions, and reduced environmental impact