

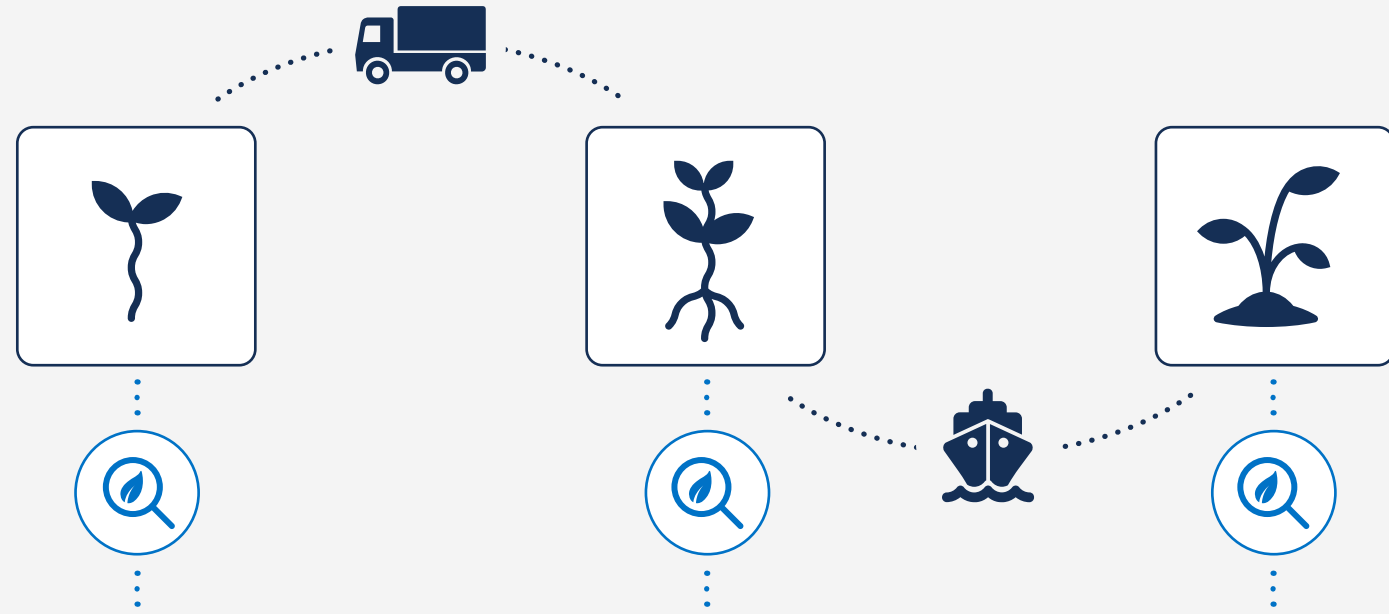
REDUCING ENVIRONMENTAL IMPACT IN THE FLORICULTURE SUPPLY CHAIN



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



SUPPORTERS



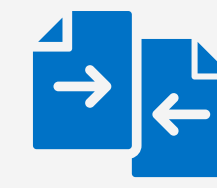
ACTIVITIES



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

BENEFITS

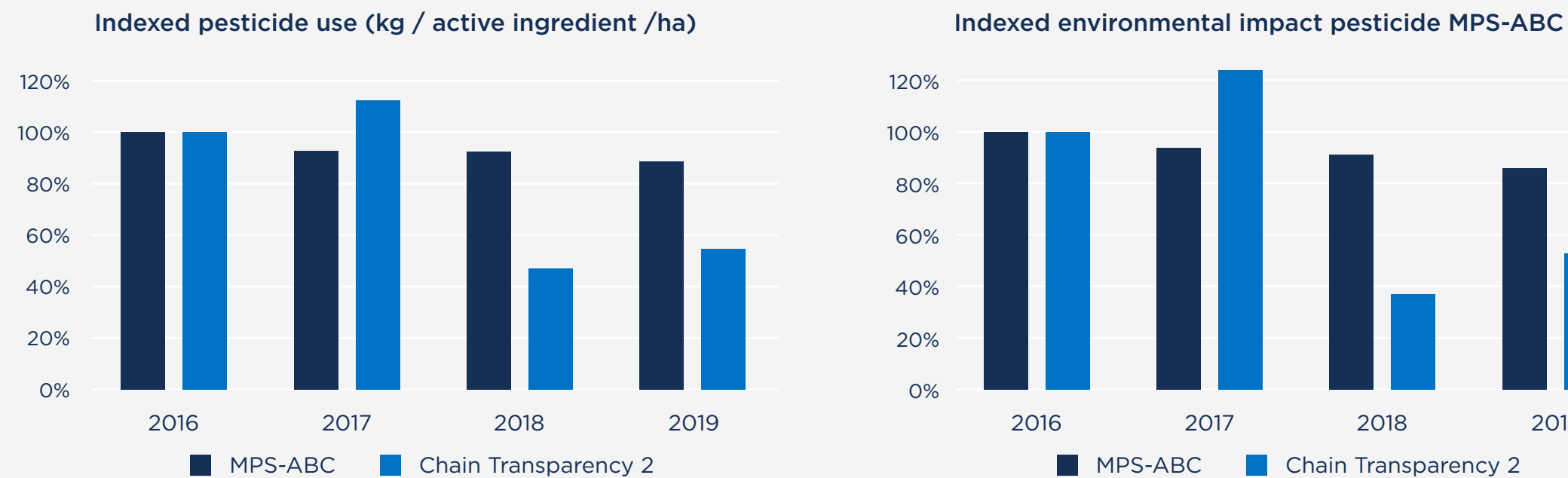


Increased supply chain transparency and alignment with societal expectations for sustainability



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

DOWNWARD TREND IN INDEXED PESTICIDE USE AND ENVIRONMENTAL IMPACT



*Kilograms of active ingredient per hectare