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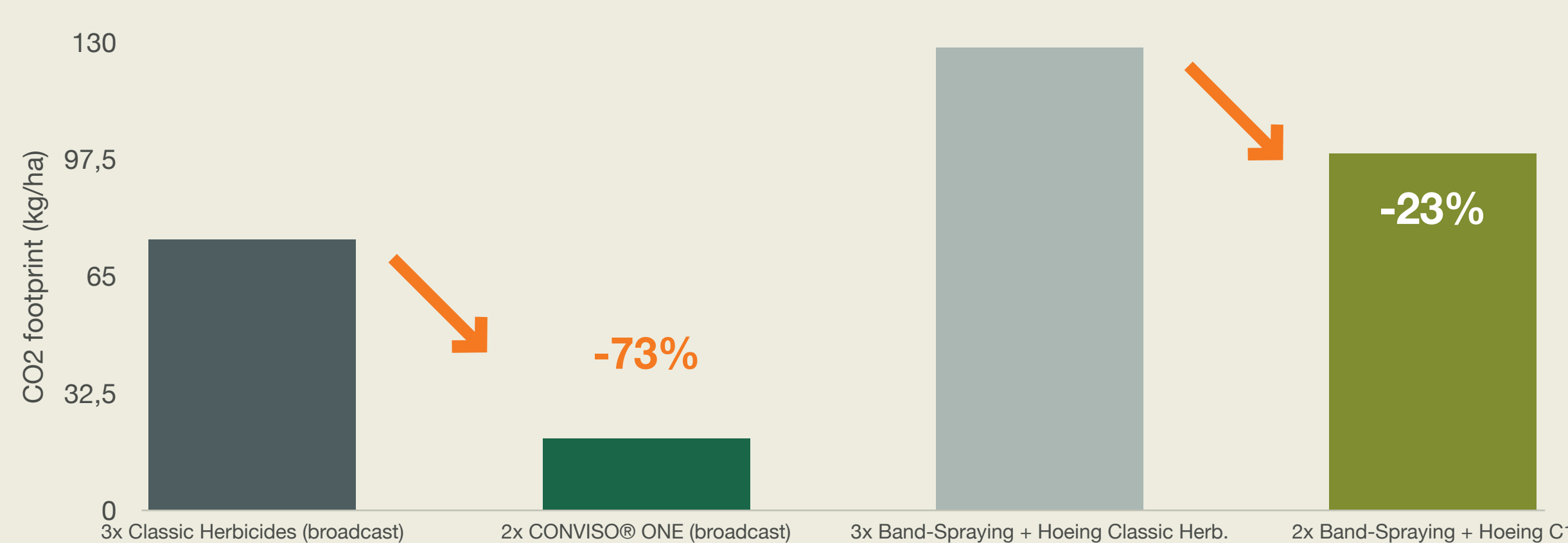


Introduction

The CONVISO® SMART system, consisting of herbicide-tolerant sugarbeet varieties and the complementary ALS herbicide CONVISO® ONE, enables effective weed control in sugarbeet. CONVISO® SMART was introduced in the market in 2018. Today, the system is used in 30 countries covering more than 600 000 hectares of sugarbeet production. Such an innovative and successful system is based on four pillars.

Pillars of the CONVISO® SMART system

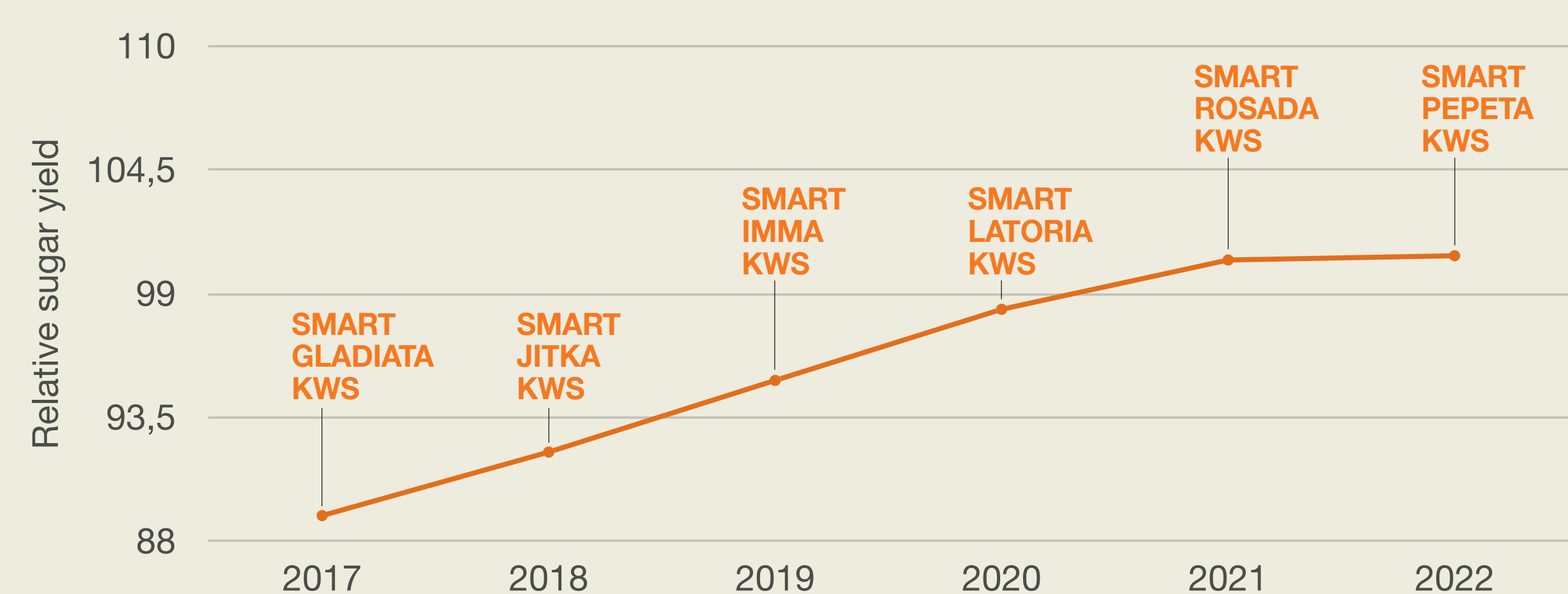
Sustainability



The CONVISO® system reduces greenhouse gas emissions both in broadcast and in band-spraying applications. Source: Fishkis et al. 2024.

- CONVISO® SMART enables the reduction of applications and dose rates of herbicides compared to conventional weed management methods.
- These environmental advantages contribute significantly to achieving current political objectives of sustainable agriculture.

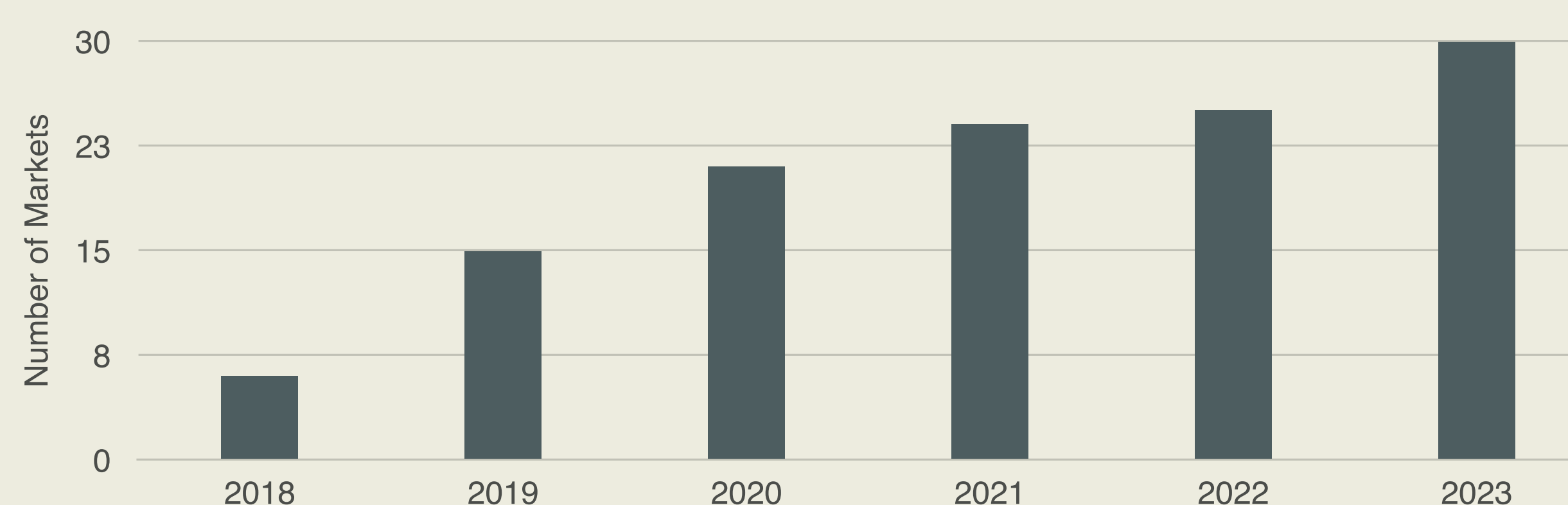
Variety Development



KWS delivers constant breeding progress ensuring high performing varieties in yield, pest and disease tolerance. Source: official trial data of Spain modified by KWS.

- The SMART portfolio is being developed according to the demand from all relevant markets and the locally required combination of plant characteristics, such as nematode and rhizomania tolerance as well as various leaf diseases.
- In 2024 KWS launches the first varieties combining the CR+⁽¹⁾ trait with CONVISO®.

Market Development



Presence of CONVISO® SMART technology by number of markets since its launch. Source: KWS internal data.

- CONVISO® SMART brings significant benefits to sugarbeet growers.
- Markets are quickly adopting this technology.
- In several countries already established as the leading technology for weed control in sugarbeet.
- In 2023, approximately 20 % of the 3,6 million sugarbeet hectares of these 30 markets has been covered by CONVISO® SMART.

Stewardship Communication



Herbicide Use	Bolter & Groundkeeper	Integrated Weed Management
<ul style="list-style-type: none"> Respect correct application timing. Use full dose rate. Use of adjuvant oil. Spray in optimal conditions. 	<ul style="list-style-type: none"> Monitor fields. Remove all bolters on time. Groundkeeper control in the following crop.⁽²⁾ 	<ul style="list-style-type: none"> Rotate herbicide modes of action. Use mixing partners. Diversify crop rotation. Monitor efficacy.

Constant Stewardship communication to growers is essential to maintain the sustainability and effectiveness of the system.

Conclusion/Outlook

Since its introduction in 2018, the CONVISO® SMART system has been a great success as described by the four pillars. We expect further growth in the future. The long-term success of the system goes hand in hand with the SMART stewardship concept.

(1) See poster 4.19: Lein et al. – Gaining ground against Cercospora – sustainable disease control with CR+.

(2) See poster 5.9: Wellhausen et al. – Control of groundkeepers from ALS-tolerant sugarbeet in following crops.

