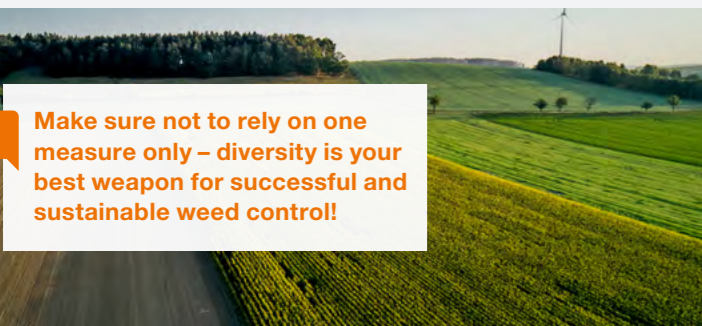


Diversity is the key!

IWM gives you the advantages of:

- Reducing the risk of herbicide resistance development.
- Ensuring the longevity and productivity of the CONVISO® SMART system.
- Keeping your whole crop production system sustainable.



! Make sure not to rely on one measure only – diversity is your best weapon for successful and sustainable weed control!

KWS SAAT SE & Co. KGaA
Grimsehlstraße 31
37574 Einbeck
www.kws.com
www.convisosmart.com

CONVISO® is a registered trademark of BAYER AG.

SMART Weed Control

Keep your fields productive with Integrated Weed Management.



SEEDING
THE FUTURE
SINCE 1856

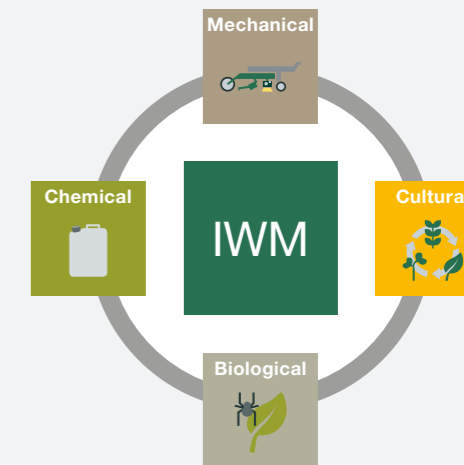


Integrated Weed Management

The base for a SMART weed control!

Integrated Weed Management (IWM) lays the foundation for your professional CONVISO® SMART sugarbeet cultivation.

Your key to success is the combination of **chemical**, **mechanical**, **cultural** and **biological** IWM measures which fit best to your situation.

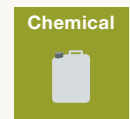


How to implement Integrated Weed Management measures in practice?

Rotation is everything!



Lower your resistance risk by **rotating the herbicides** with their modes of action and by **rotating your crops**.



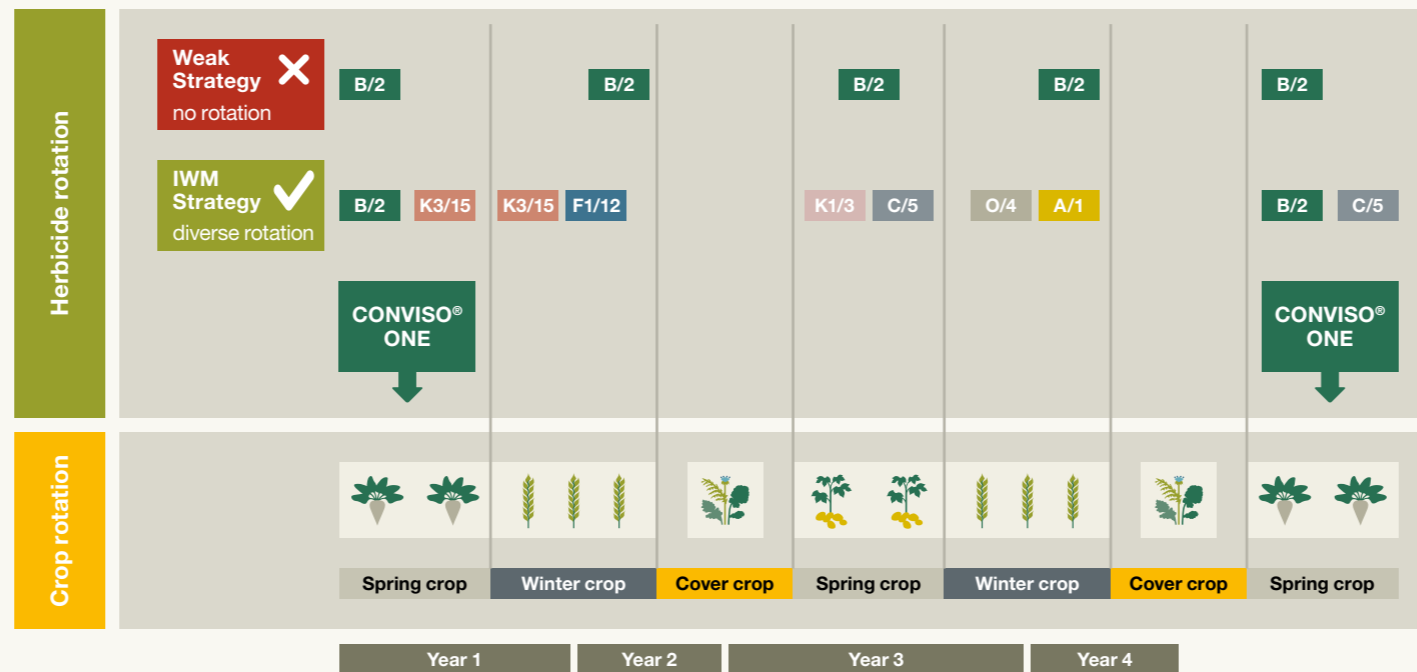
- Use different herbicides with **different modes of action**.¹
- Maximize herbicide efficacy** with:
 - full dose rate
 - correct application timing
 - optimal application conditions
- Avoid overusing** other ALS-inhibitors in your crop rotation after SMART sugarbeet.
- Support your IWM with a **non-ALS herbicide** as a mixing partner or in a sequence.



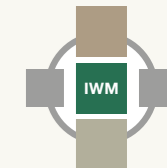
- Keep your **crop rotation** diverse by integrating winter and spring crops.
- Use cover crops** to reduce weed pressure, fix nitrogen and reduce nematode pressure.
- Keep your crop competitive by ensuring good **crop establishment**.

Rotation in practice!

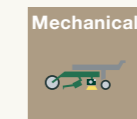
Keep your fields productive with a diverse rotation strategy. The following graphic gives you an example for a SMART herbicide and crop rotation in your field. Each herbicide mode of action and its respective HRAC code² is represented by a different color – the more colorful, the more sustainable is your herbicide strategy.



There is more than rotation!



The rotation of crops and herbicides is one part of IWM – there are many more weed control tools available.



- Maximize the use** of different mechanical weed control measures in the crop rotation.
- Start clean before sowing:**
 - Deep soil cultivation > 10 cm (e.g. ploughing) can reduce weed populations
 - Shallow soil cultivation: stimulates weed germination, can be used in false seedbeds



- Biological weed control is **the use of an organism or biological process** to suppress weed growth.
- Commercial products are not available yet, but development in this area is ongoing.



Efficient weed management is in your hands: choose the best strategies based on the weed situation in your fields.

¹Mode of action = way in which herbicides control weeds

²Based on their mode of action, herbicides are classified by the Herbicide Resistance Action Committee (HRAC) into HRAC groups. The HRAC code system was changed from letters to numbers in 2020. Both classifications are shown in the graphic.