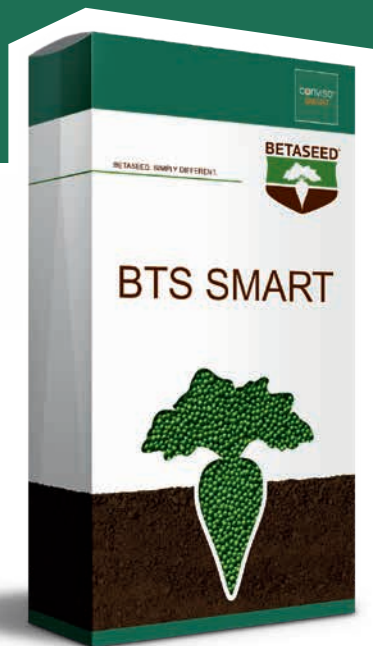


CONVISO<sup>®</sup>  
SMART



# CONVISO<sup>®</sup> SMART

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## SMART BOOK

BETASEED. SIMPLY DIFFERENT.



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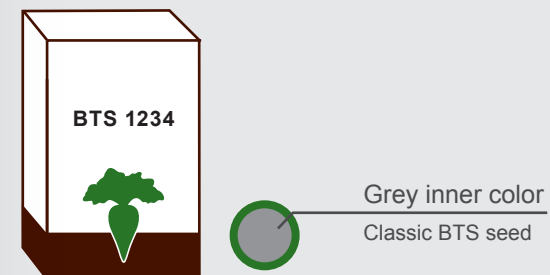
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## KEY FACTS ABOUT BTS SMART VARIETIES

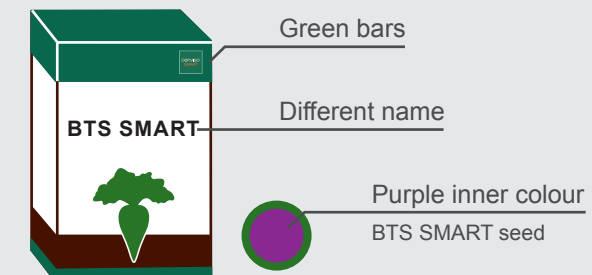
- ✓ BTS SMART sugar beet varieties have a genetic tolerance to work successfully together with the CONVISO® ONE herbicide.
- ✓ CONVISO® ONE offers a combined efficacy against monocotyledonous and dicotyledonous weeds.
- ✓ CONVISO® SMART sugar beets do not show yield loss caused by phytotoxicity when using CONVISO® ONE.
- ✓ Effective elimination of conventional weed beets.

## DIFFERENTIATION BETWEEN BTS SMART AND CLASSIC SEED

### CLASSIC BTS SUGAR BEET SEED



### BTS SMART SUGAR BEET SEED



## CAUTION

It is extremely important not to mix BTS SMART seed with classic sugar beet seed at any time. Classic sugar beets will die off if treated with CONVISO® ONE.

## SOWING BTS SMART SEED

- Clean your seed drill thoroughly before sowing BTS SMART seed. Classic varieties sown in a CONVISO® SMART crop will not withstand the CONVISO® ONE herbicide.
- **Keep BTS SMART seed separate from classic sugar beet seed to avoid any mixing!**

## TIPS

### ...FOR CLEANING THE SOWING MACHINE PROPERLY:

- use a vacuum cleaner to empty the planting unit
- rotate sowing disc until it is completely empty



## KEY FACTS ABOUT CONVISO® ONE



### CONVISO® ONE

Time of application	Post-emergence
Mode of action	HRAC B (ALS-inhibitor group)
Active substances	50 g / l Foramsulfuron 30 g / l Thiencarbazone-methyl
Plant absorption	Soil and leaf activity
Application window	4 true leaf stage until 8 true leaf stage of sugar beet
Application	Single application (1 x 1 l / ha)
Possible sequence	Every registered non-ALS inhibitor herbicide

**Keep in mind: Reduced dose rates are prohibited to ensure a proper weed resistance management.**

A resistance management policy is essential to safeguard the performance of the CONVISO® SMART system for the long term.

To support this objective, the respective amount of BTS SMART sugar beet seed units per hectare comes with 1 litre of CONVISO® ONE herbicide. The herbicide must be applied at the full recommended rate to minimise the risk of resistance.

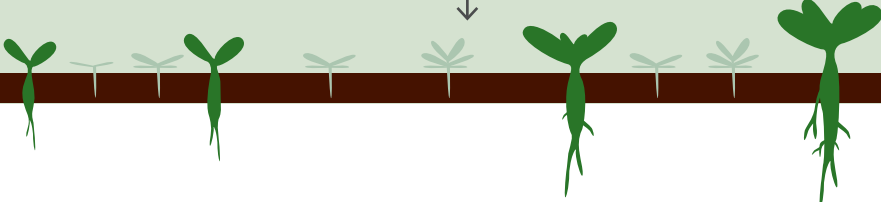
# CONVISO® ONE APPLICATION RECOMMENDATION

## STANDARD CONDITIONS

**Application**  
**1.0 l/ha**  
CONVISO® ONE

max. 4 true leaves of fat hen (*Chenopodium album*)

cotyledon



cotyledon stage of sugar beet

8 true leaves of sugar beet

# NOTES

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CONVISO® ONE registered application window. Maximum yearly dose rate with 1 application: 1.0 l/ha

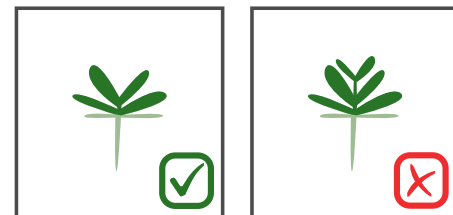
## CONVISO® ONE APPLICATION TIMING

	<b>CONVISO® ONE</b> Single application
Indicator weed	Fat hen* ( <i>Chenopodium album</i> )
Timing	Max. 4 true leaf stage of fat hen
Number of applications	1 × 1.0 l/ha

\* if not present, apply when other (hard to fight) weeds reach the same true leaf stage

Always follow the growth stage of the indicator weed Fat hen (*Chenopodium album*).

### SINGLE APPLICATION:



fat hen with 4 true leaves  
(and 2 cotyledons)

more than 4 true leaves:  
too late

## CONVISO® ONE: EFFECTIVE WEED CONTROL

- Can be used in a sequence with other registered sugar beet herbicides if required (based on growth stage of weeds present).
- Do not sequence CONVISO® ONE with any other ALS inhibitor herbicide, such as a sulfonyleurea.
- The optimum timing for CONVISO® ONE is when the trigger weed is at 2 to 4 true leaves, but it can control weeds up to 6 true leaves depending on the weed species.
- Methylated vegetable oil may increase the uptake of the herbicide especially in dry conditions
- Adjust the oil application rate according to the maximum temperature on the day of spraying



## CONVISO® ONE IN WEED RESISTANCE SITUATIONS

Weed population determines the action:

No resistant weeds	Resistance(s) documented
<ul style="list-style-type: none"><li>• Use CONVISO® ONE as recommended</li><li>• Prescribed actions:<ul style="list-style-type: none"><li>• Add adjuvant</li></ul></li></ul>	<ul style="list-style-type: none"><li>• If a patch of weeds survive CONVISO ONE application and resistance is suspected, consider spraying off the area with a non-selective herbicide such as glyphosate.</li></ul>

If ALS resistance is documented in a field: do not use the CONVISO® SMART system.

## HANDLING OF CONVISO® ONE

- Shake the CONVISO® ONE can well before use.
- In case of difficulties half empty the canister and shake again.
- Ensure full homogenization of deposit, as it may contain active ingredient.
- Do not add water into canister for emptying – only for final canister cleaning.





## PREPARING SPRAYER

- ✓ Recommended water volume: 150–300 l/ha
- ✓ pH value of water: 5–7
- ✓ Optimal temperature for spraying: 10–20° C
- ✓ Rain fastness period: 4–6 hours
- ✓ Persistence and reactivation of the residual will vary depending on soil conditions, temperature and moisture.

## CAUTION

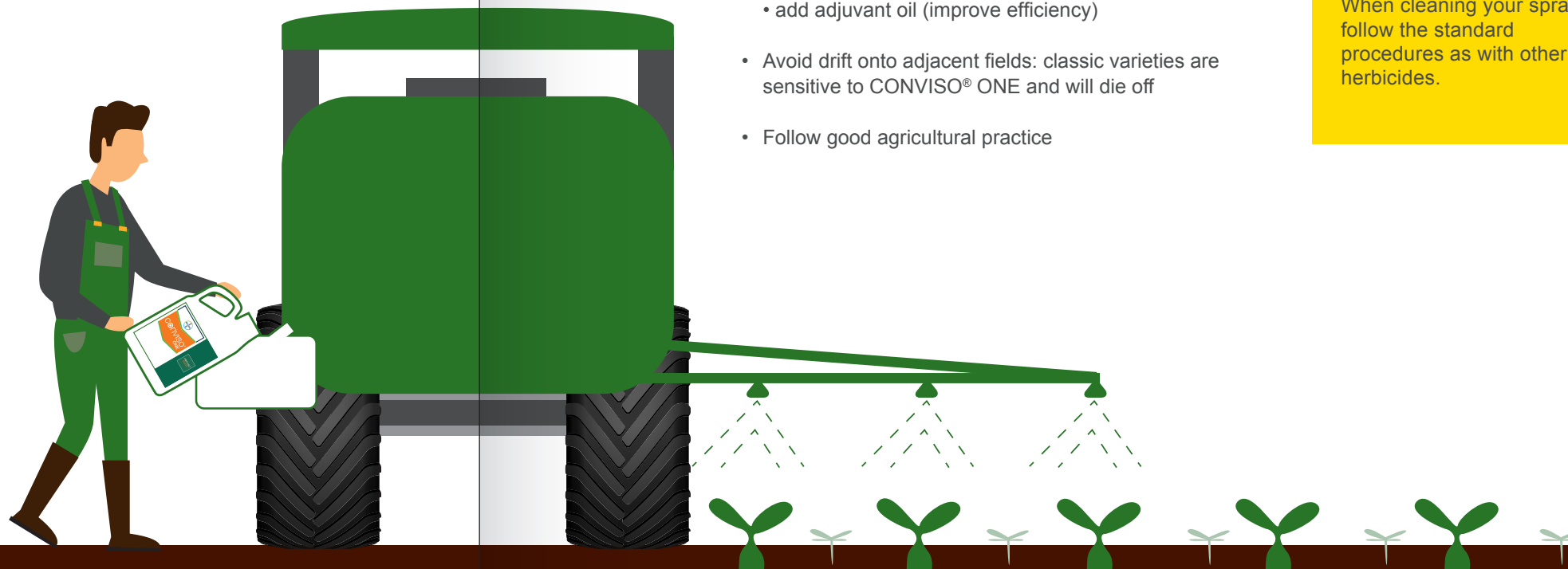
Never apply CONVISO® ONE to classic sugar beet varieties. Even a small amount of CONVISO® ONE will harm classic sugar beet as well as other sensitive crops.

## HANDLING OF CONVISO® ONE

- Always use full recommended dose rate (1.0 l/ha per season)
- Recommendation is
  - add adjuvant oil (improve efficiency)
- Avoid drift onto adjacent fields: classic varieties are sensitive to CONVISO® ONE and will die off
- Follow good agricultural practice

## TIPS

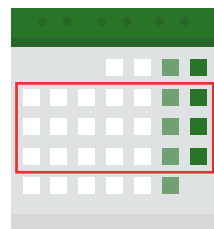
Thoroughly clean sprayer immediately after applying CONVISO® ONE. When cleaning your sprayer follow the standard procedures as with other ALS-herbicides.





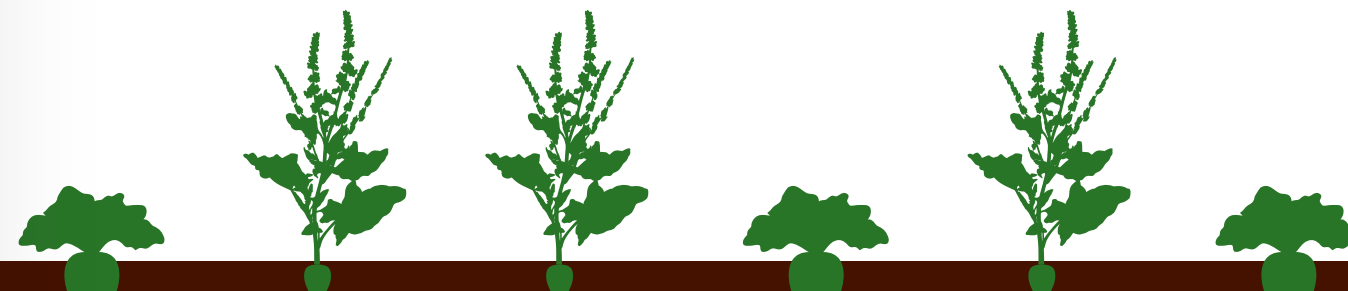
## FIRST VISIBLE EFFECTS OF CONVISO® ONE

- CONVISO® ONE is a systemic herbicide being absorbed and translocated through the plant.
- Weeds stop growing after treatment, symptoms take longer to be visible. Symptoms expressed can be in the form of yellowing and stunting.
- **Herbicidal effects** will be visible after approx. **5–7 days**.
- **Complete dying off** can take **up to 4 weeks** depending on the weather conditions.



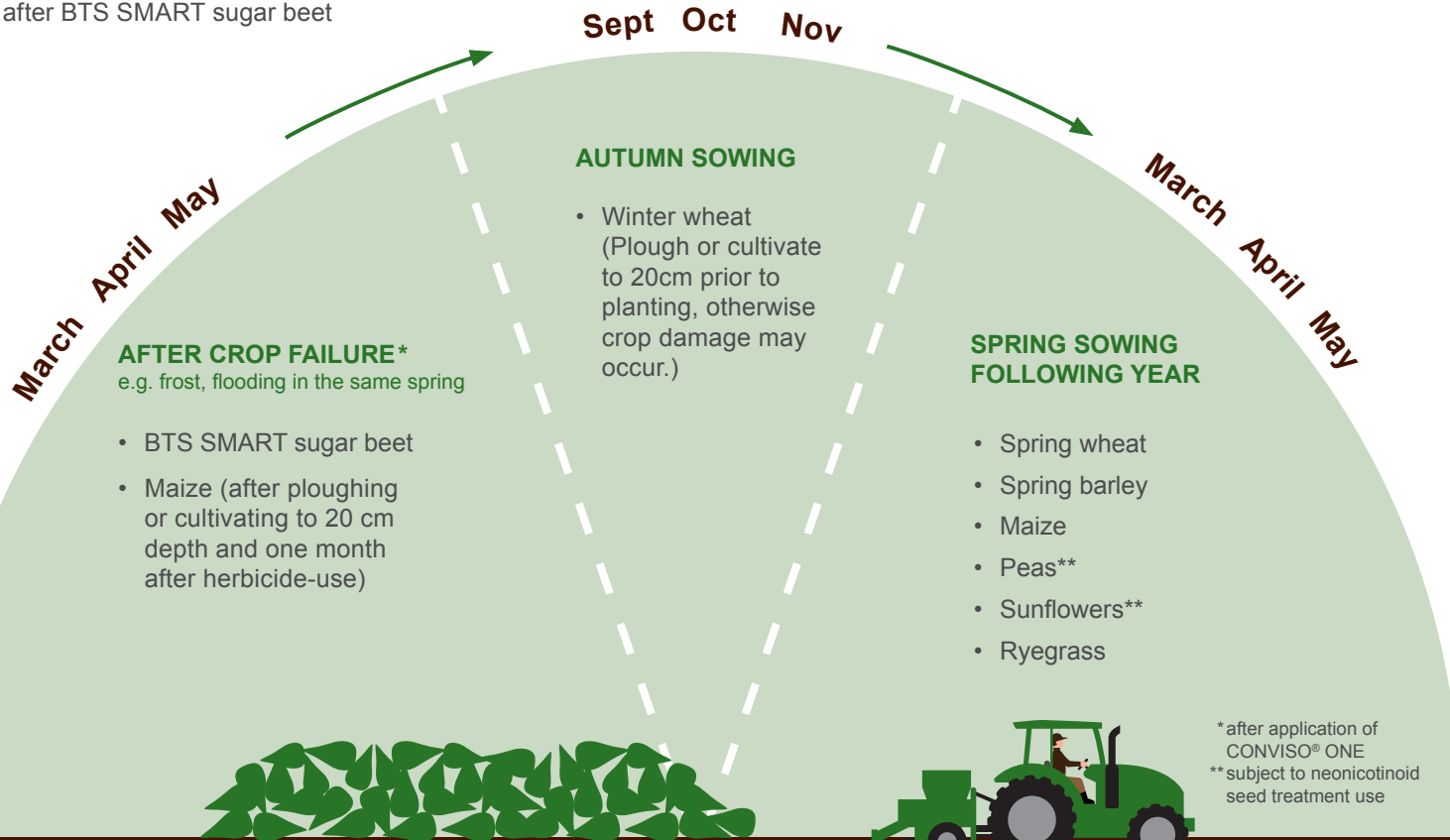
## BOLTERS

- **Every bolter needs to be conscientiously removed from CONVISO® SMART fields. Never allow bolterseed return to the soil.**
- Have in mind: weed beet of SMART varieties can neither be controlled with CONVISO® ONE nor classic sugar beet herbicides.
- In following crops, SMART weed beets may only be controlled by non-ALS herbicides.
- Bolting is initiated when temperatures between 3–8°C affect the seedling for a longer time. Try to keep the risk of bolting low. Choose an appropriate variety and drilling date.
- CONVISO® SMART is the unique opportunity to clean your fields from classic weed beet.



# CROP ROTATION – FOLLOWING CROPS

after BTS SMART sugar beet

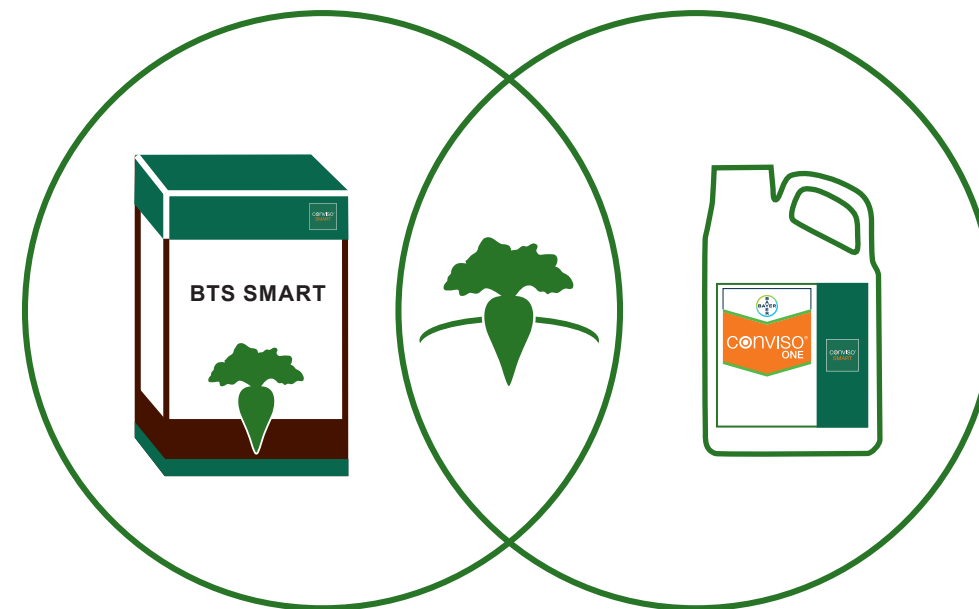


# GROUNDKEEPERS

- Groundkeepers of SMART varieties should be controlled by a non-ALS inhibiting herbicide in the following crop.
- Minimize crop losses while harvesting and loading.
- Ploughing is recommended following a CONVISO® SMART sugar beet crop.
- Use glyphosate to fight against groundkeepers where possible.
- Hormone weed killers (MCPA and 2,4-D) have been seen to be effective against ALS-tolerant sugar beet.
- Never allow bolting of groundkeepers!

## WEED RESISTANCE MANAGEMENT

- ✓ Use CONVISO® ONE according to the weed resistance management guidelines.
- ✓ Use the recommended full dose rate.
- ✓ Add an adjuvant to strengthen the efficacy if required.
- ✓ Respect the appropriate recommended growth stage of weeds for application.
- ✓ Sequence CONVISO® ONE application with non-ALS herbicides when required.
- ✓ Consider a non-selective herbicide as a preceding treatment after allowing emergence of weeds.
- ✓ Always investigate the reasons for lower levels of efficacy control.
- ✓ Make use of good agricultural practice to ensure good weed resistance management.
- ✓ Use measures of integrated weed management (cultural, mechanical and chemical control).
- ✓ Use cover crops if possible to reduce weed pressure.
- ✓ Respect the crop rotation.
- ✓ Rotate different herbicide mode of action in the crop rotation.
- ✓ Use at least once in a 3-year crop rotation a pre-emergence / early post-emergence non-ALS inhibiting herbicide.
- ✓ If resistance is suspected, consult with a BASIS qualified advisor and use alternative herbicides.



## CONTACT OVERVIEW

In case of any questions related to our CONVISO® SMART varieties or regarding the use of CONVISO® ONE with our BTS SMART varieties, please don't hesitate to contact us.

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Phone: +44 1223 226500  
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Or alternatively for technical enquiries call  
us: +44 808 1969522 (to be put in touch with  
your local advisor)

### Disclaimer

Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label as well as all other required stewardship practices. The information contained in this BTS SMART book is intended for an international audience and serves educational purposes only. It is not and shall not be construed as an offer to sell. Please note that some information represented herein may be subject to specific legal regulations, restrictions or prohibitions in certain countries. Products may not be available in every country, or registered uses, trade names and formulations may differ. For specific product information and recommendations, please refer to Betaseed or its representatives in your country.

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