

In-season update:

Growth regulation in hybrid barley



CURRENT SITUATION

- Many hybrid barley crops have experienced an extended period of dry weather
- Some of these crops have raced through their growth stages from GS32 (second node) to GS37 (flag leaf emerging) in the last 7 to 10 days
- In addition, stress symptoms are visible in some fields
- Late drilled barley crops are more at risk of lodging

ACTION

- Check the growth stage in each field
- Assess the level of stress in each crop
- Make a decision on what level of growth regulation is required for each crop



BEST PRACTICE

- Previous experience has shown that a “little and often” approach frequently gives the best results
- The need for PGR’s should not be underestimated: crops are only at half their final height at flag leaf emerged (GS37-39)
- High doses of PGR’s can be damaging to stressed crops
- Previous PGR inputs should also be factored in to the Terpal rate decision
- Late applications of Terpal may damage the ear (do not apply Terpal beyond GS39)—**this should be avoided**

Our revised advice for this season:

GS31-32: MODDUS 0.1 l/ha + CCC 1.0 l/ha (reduce the dose or eliminate if crops are stressed)

GS39: Terpal 0.5 -1.0 l/ha

Your specific local situation should be discussed with your BASIS qualified agronomist