

Cereals (BBCH)

(Too small for use
with the N-Sensor)

Seeding Growth

GS 11-19

GS 11 – First leaf unfolded

GS13 – 3 leaves unfolded

GS15 – 5 leaves unfolded

GS 19 – 9+ leaves unfolded

Tillering

GS 21 - 29

GS 21 – Main shoot + 1 Tiller

GS 23 – Main shoot + 3 Tiller

GS 25 – Main shoot + 5 Tiller

GS 29 – Main shoot + 9 Tiller

Stem Extension

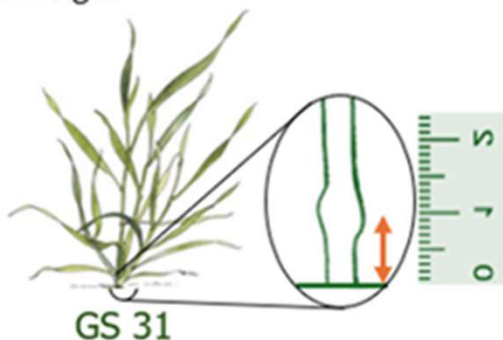
GS 30

GS 30 – Ear at 1cm, Node at base



Cereals (BBCH)

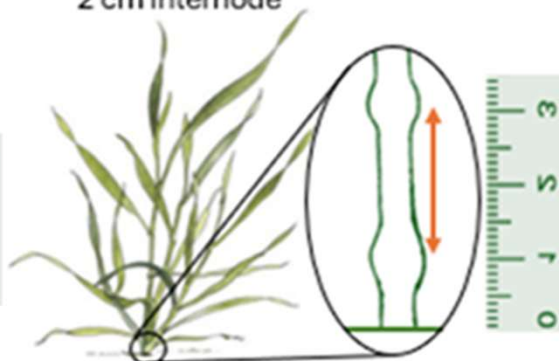
GS 31 – First node detectable
1+ cm height



GS 31

Booting + Ear Emergence
GS 40 - 59

GS 32 – 2nd node detected +
2 cm internode



GS 32



GS 39

GS 41 – Flag leaf sheath extending

GS 47 – Flag leaf Sheaf opening

GS 49 – First awns visible

GS 51 – Ear visible above flag leaf
ligule

GS 55 – Ear half-way emerged

GS 59 – Ear emerged



GS 49



GS 59

GS 33 – 3rd node detected

GS37 – Flag Leaf just visible

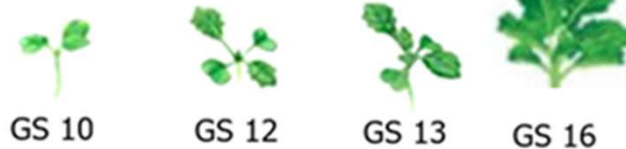
GS39 – Flag Leaf blade fully
visible

Oilseed Rape (BBCH)

Leaf Development

GS 10 - 19

- GS 10 – Cotyledons unfolded
- GS 11 – First leaf unfolded
- GS 12 – Second leaf unfolded
- GS 19 – Nine+ leaves unfolded



Side-shoot formation

GS 21 - 29



- GS 21 – First side-shoot detectable
- GS 22 – Second side shoot detectable
- GS 29 – Nine+ side-shoots detectable

Steam Elongation

GS 30 - 39

- GS 30 – Rosette, No internode
- GS 31 – First internode
- GS 32 – Second internode
- GS 39 – Nine+ internodes



Inflorescence / Flower-bud emergence

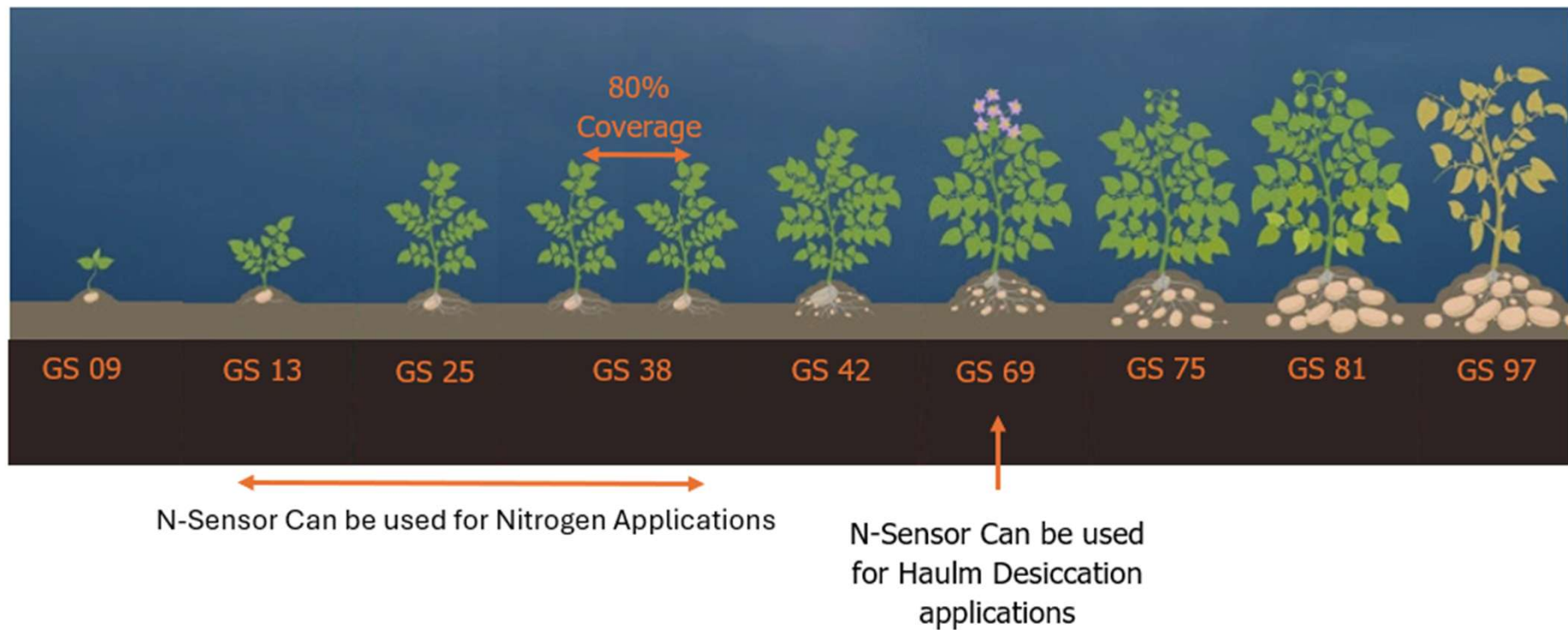
GS 50 - 59

- GS 51 – Green buds visible in canopy from above
- GS 53 – Green buds raised above leaves
- GS 59 – First petals visible



Potatoes (BBCH)

The N-Sensor can be used between GS 10 – 39 for Nitrogen Applications
It can also be used at GS 69 for Haulm Desiccation



Maize (BBCH)

The N-Sensor can be used between GS 16 – 22 for Nitrogen applications

