INFLUENCE OF NITROGEN FERTILIZATION AND AUTUMN MOWING ON DUAL USE OF THINOPYRUM INTERMEDIUM.

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Objectives

Thinopyrum intermedium subsp. *intermedium* (Kernza[®])





Figure 1 – Grain yield by fertilization and mowing for 2018(A), 2019(B) and 2020 (C). The letters represent statistical groups between fertilizer levels (A) and (C) or between mowing levels (B).

Total dry matter yield at grain harvest (T/ha) :



- ∠ number of ears/m² when plots were not mowed in autumn 2018

Autumn mowing :

- Additionnal harvest in autumn - Good quality fodder

- Possible reduction of intraspecific competition

Figure 2 – Total dry matter yield at grain harvest by fertilization and mowing for 2018(A), 2019(B) and 2020 (C). The letters represent statistical groups between fertilizer levels (A) and (C) or between mowing levels (B).

- *L* Dry matter production in the season following mowing

- \checkmark Number of tillers $/m^2$

- 7 Grain yield for the fertilization 100+0+0N

- Possible reduction of plant lodging

- > plant height at low nitrogen input





