

 \succ The following table describes the double crop treatments

	Cropping description			
- Cropping treatment	Winter crop	2 nd crop	Double-crop	Relay-crop
*DC-Soy	Camelina	Soybean MG 00	yes	no
<pre>+Relay-Soy</pre>	Camelina	Soybean MG I	no	yes
‡Swath-DC-Soy	Camelina	Soybean MG 00	yes	no
Mono-Soy	Fallow	Soybean MG I	no	no

* DC- refers to sequentially following camelina after it is harvested with soybean.

+ Relay- refers to inter-seeding soybean between camelina rows prior to bolting.

‡ Swath-DC- refers to swathing camelina at physiological maturity and seeding soybean between swaths.





Fig 3. Comparison of soil water content in the top 0.6 m of the soil profile for cropping treatments during the 2010 growing season.

> The pattern of change in soil water content was similar for the double- and relay-crop treatments.

the Corn Belt region.

References

Gesch, R.W. and D.W. Archer. 2013. Double-cropping with winter camelina in the northern Corn Belt to produce fuel and food. Industrial Crops and Products 44:718-725.

Johnson, J., and J.A. Morgan. 2010. Chapter 2. Plant sampling guidelines. p. 2-1 - 2-10. In: R.F. Follett editor, GRACEnet sampling protocols [Online]. USDA-Agricultural Research Service, Washington, DC. Available at www.ars.usda.gov/research/GRACEnet







Substantial soil water depletion occurred in late-May to mid-June corresponding to camelina seed filling and maturation and again in late-July to early-August corresponding to soybean development.

Soil water depletion from mid-July through early-August was greater for the mono-cropped soybean than the double crop treatments.

Root sampling with hydraulic probe.