

# Agronomics of sunflower and winter canola



# Feedstocks

Feedstock	Biodiesel (gallons/acre)		Feedstock	Biodiesel (gallons/acre)
Corn	18		Crambe	65
Oats	23		Safflower	83
Cotton	35		Rice	88
Soybean	48		Sunflower	100
Mustard	61		Peanut	113
Camelina	65		Rapeseed	127

# Sunflower



# Sunflower production

State	Oilseed Sunflowers (Harvested acres)
North Dakota	759,145
South Dakota	557,582
Kansas	64,730
Colorado	60,890
California	46,521
Minnesota	37,001
Texas	34,369
Nebraska	30,073
Montana	7,745

# Seed type



# Planting

Schneiter and Miller



# Fertilization

N P K

# Harvest

Lucke Manufacturing



# Canola



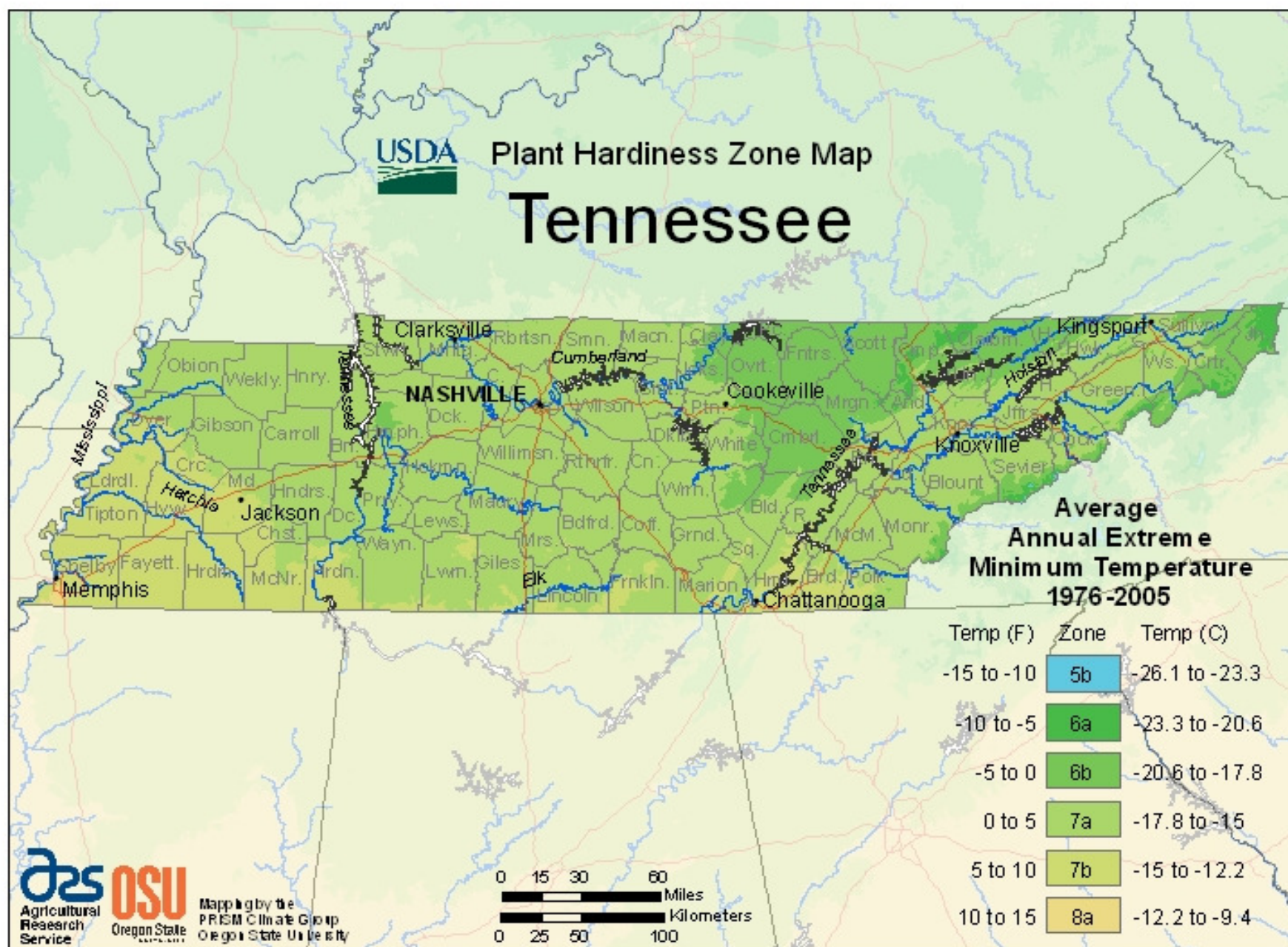
Canola seed





## Plant Hardiness Zone Map

# Tennessee



# Fertilizer

N, P, K, S, B



October 1<sup>st</sup>, 2013



October 29<sup>th</sup>, 2013



November 27<sup>th</sup>, 2013



January 24<sup>th</sup>, 2014



April 15<sup>th</sup>, 2014



May 30<sup>th</sup>



May 22<sup>nd</sup>



May 22<sup>nd</sup>

# Harvest



# Storage



# Further information

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[http://www.tnstate.edu/extension/  
publication\\_index.aspx](http://www.tnstate.edu/extension/publication_index.aspx)

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