



Optimizing Planting Date and Weed Suppression in Industrial Hemp in Southeast Texas



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INTRODUCTION

Fiber hemp has a diverse range of uses from industrial building materials to clothing. In Texas there is a need to develop locally suitable planting dates and integrated weed management systems.

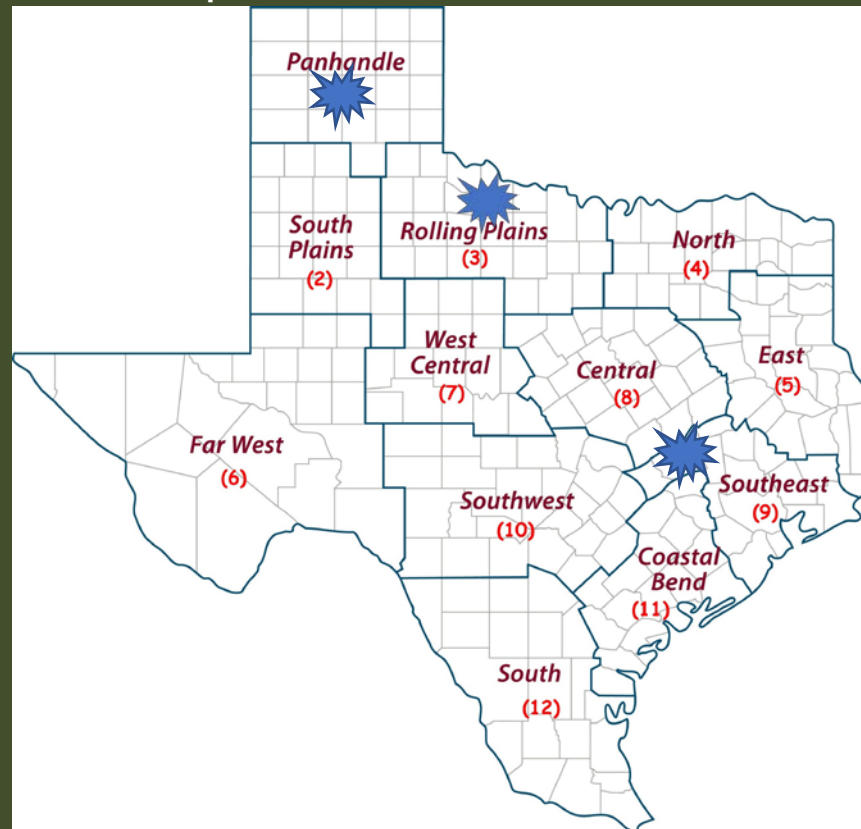
Hypothesis: A cereal rye cover crop will suppress weeds for industrial hemp fiber compared to no cover crop.

Why is this needed? There is currently limited research on fiber hemp in Texas and even less research on fiber hemp and weed suppression using cover crops.

Materials & Methods

- 3 Locations: Vernon, Lubbock, College Station
- Plots: Cover crop and no cover crop with 4 replications
- Hemp Seed Rate: 67.2 kg/ha-1
- Cereal Rye Seed Rate: 56 kg/ha-1
- 3 planting dates at 4-week intervals
 - March, April, May

New Crop for Fiber *Cannabis sativa* L.



Overview of the experimental area, College Station, TX (fall 2020)

Planted Cereal Rye Cover Crop

College Station = November 11, 2020
 Vernon = December 4, 2020
 Lubbock = January 8, 2021



(Sandler & Gibson, 2019)
 A call for weed research in industrial hemp. Scan to read journal article.

INDUSTRIAL HEMP —The term “industrial hemp” means the plant *Cannabis sativa* L. and any part of such plant, whether growing or not, with a delta-9 tetrahydrocannabinol concentration of not more than 0.3 % on a dry weight basis.

—(García-Tejero, Zuazo et al. 2019)

