

Oregon Agricultural Hemp Pilot Research Program

Professor Jay S. Noller, PhD
Agricultural Hemp Research Lead and
Head of the Department of Crop and Soil Science
Oregon State University

Definitions - Current Use

Oregon Agricultural Hemp

OR Cannabis

Industrial Hemp (UN)

Marijuana / Marihuana / Cannabis

Industrial Hemp (France)

Delta-9 THC

0.0

0.05

0.3

Total THC

0.0

0.2

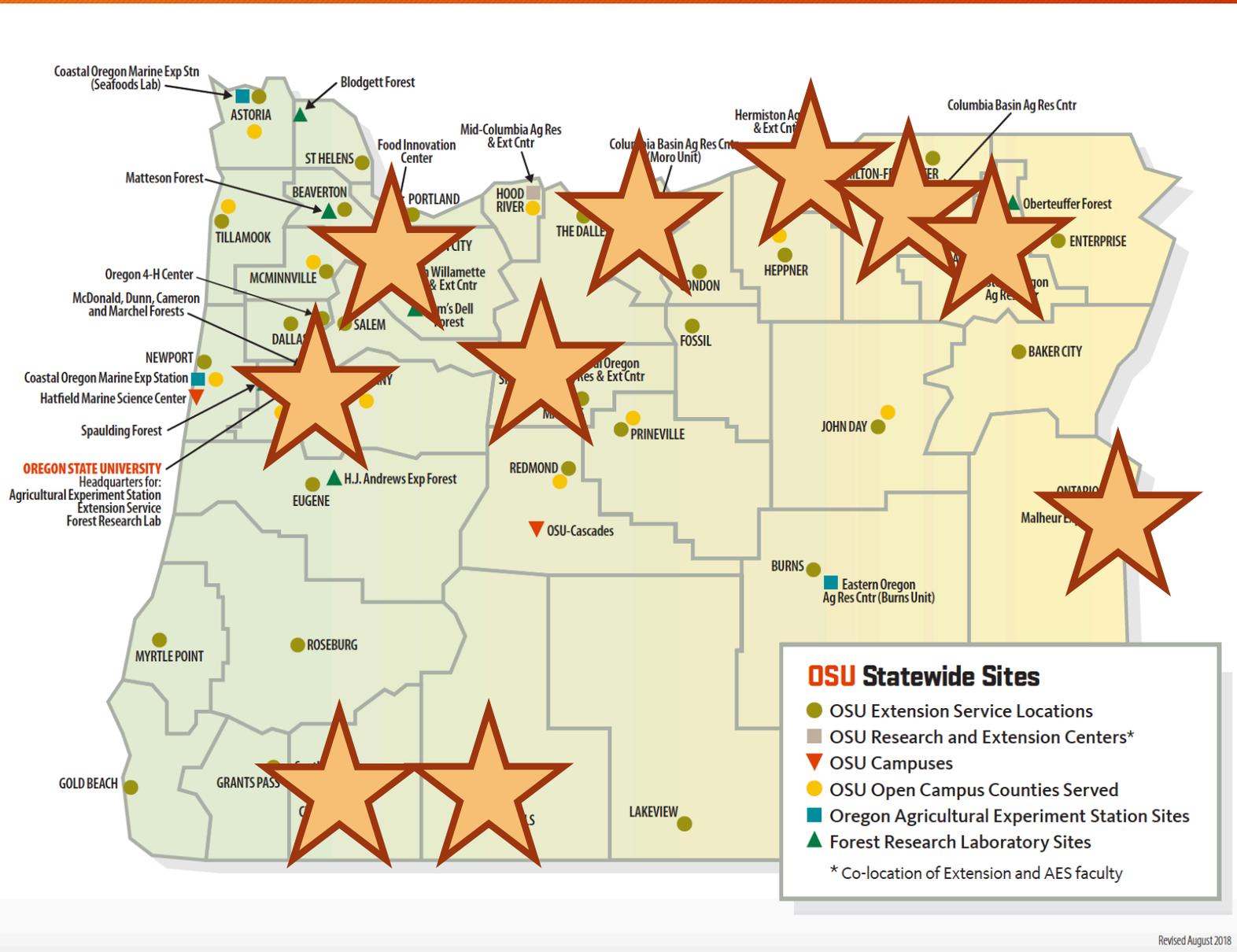
0.3

1+ wt%

Research Objectives

- Agronomics and Cultural Practices
 - Open field and greenhouse
 - Plant date, seeding depth, spacing, etc.
 - Organic and conventional treatments
 - Harvest and Post-Harvest processes
- Expansion of research
 - Multiple locations
 - Multiple disciplines

Statewide Experiments



Research Plots



Plant Spacing And Fertility



Pests



Crop Quality



Breeding Program



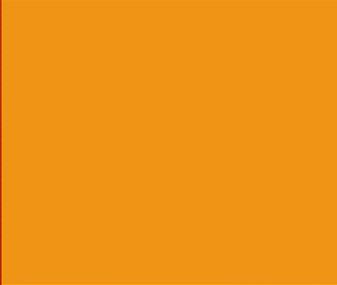
Management



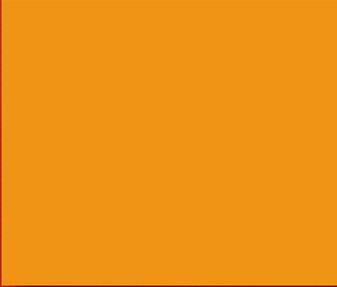
Management



Harvesting



Harvesting



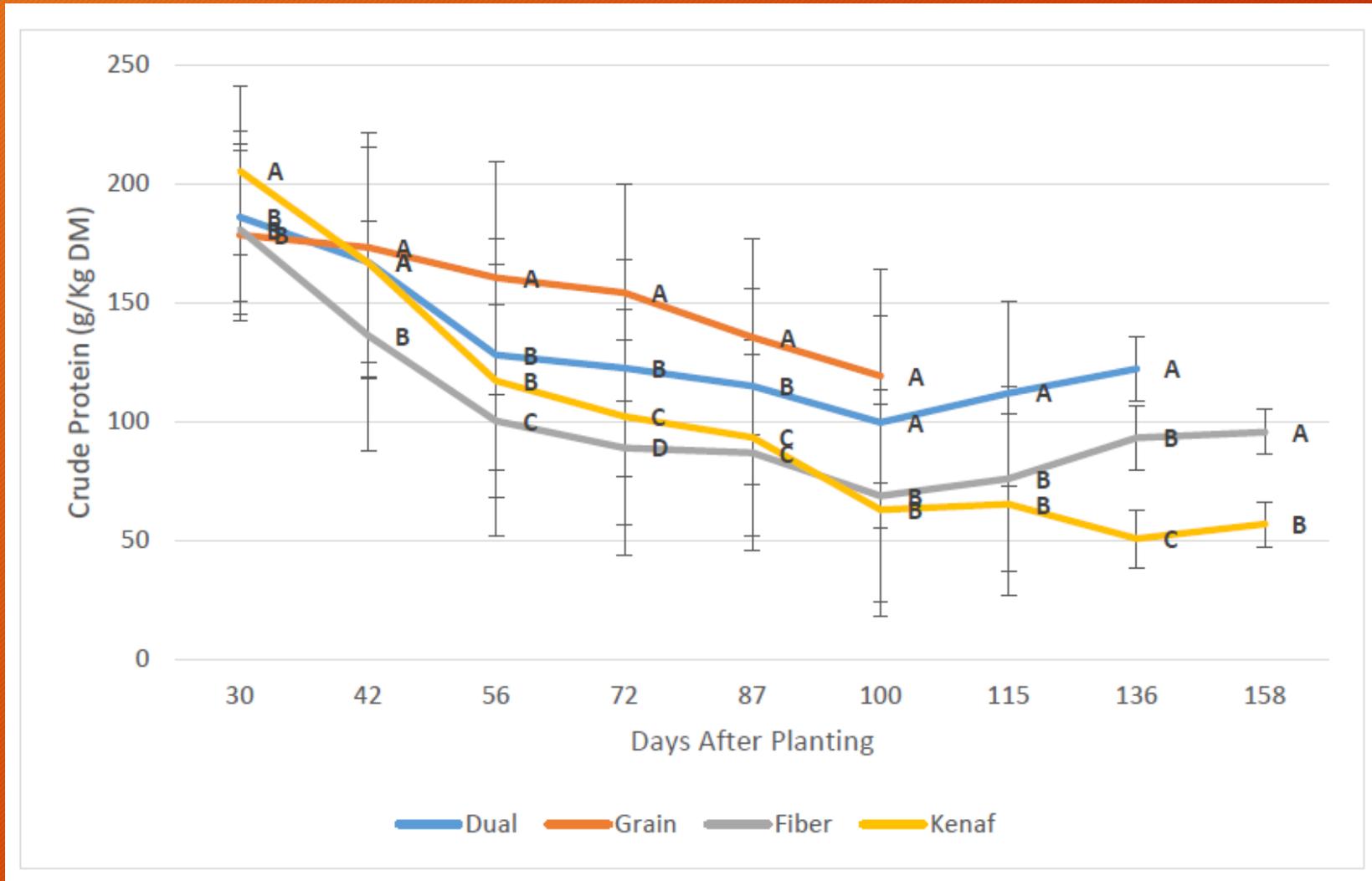
Harvesting



Fiber Hemp



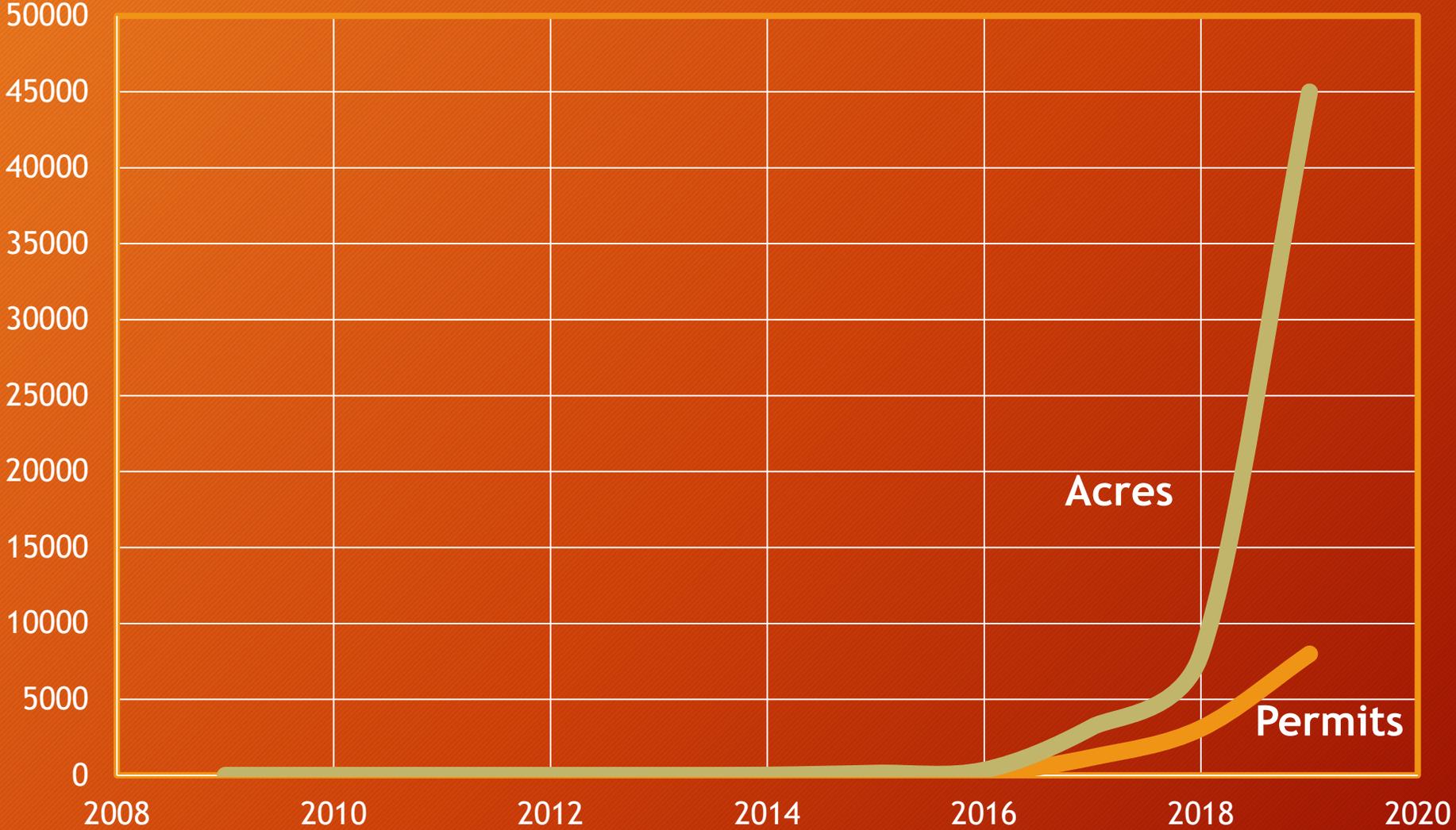
Forage Research



From Stringer, 2018

Industry, Uses and Products

Oregon Hemp Production



Oregon Hemp Production 2018

- Extractable hemp 80-85%
 - Cannabinoids and cannaturpenes
- Usuable hemp 10%
- Seed 5-10%
- Grain, Fiber (Unk)

- My goal: Multiuse Oregon hemp

Products

