



# Iverson Family Farms

Purchased the 225 acre farm in 1950

Third Generation Farm

Grown over 100 different crops from azaleas to zucchini.

Currently farm about 1200 acres.



## Current Crops:

Tulips, tall Fescue, perennial & annual ryegrass, squash, vetch seed, wine and table grapes, hazelnuts and industrial hemp.

A close-up photograph of a hemp plant. The image shows several large, serrated green leaves with prominent veins. In the center, there is a cluster of small, developing flower buds or seedlings, which are light green and have a fuzzy, fibrous appearance. The background is filled with more green foliage, slightly out of focus. The overall lighting is bright, suggesting a sunny day.

# Industrial Hemp

**The new weed on the farm...**

42 Days



Cannabis has over 80 cannabinoids

The two commonly known ones are CBD & THC

THC

Tetrahydrocannabinol

psychoactive

Marijuana

(the only phytocannabinoid that gets you “high”)

15-20% (Typically)

Registered with Oregon Liquor

Control Commission

CBD

Cannabidiol

non-psychoactive

Industrial Hemp

0.3% (or less) THC

(Can look identical to marijuana)

Registered with Oregon Department of Ag



# Health Benefits of CBD

*(but I'm not making any claims!)*

- Kills or slows bacterial growth (Antibacterial)
  - Reduces blood sugar levels (Anti-diabetic)
  - Reduces vomiting and nausea (Anti-emetic)
  - Reduces seizures and convulsions (Anti-epileptic)
  - Reduces inflammation (Anti-inflammatory)
  - Reduces risk of artery blockage (Anti-ischemic)
  - Inhibits cell growth in tumors/cancer cells (Anti-proliferative)
  - Treats psoriasis (Anti-psoriatic)
  - Tranquilizing, used to manage psychosis (Antipsychotic)
  - Suppresses Muscle spasms ( Antispasmodic)
  - Relieves anxiety (Anxiolytic)
  - Promotes bone growth (Bone stimulant)
  - Relieves pain (Analgesic)
  - Reduces function in the immune system (Immunosuppressive)
  - Reduces contractions in the small intestines (Intestinal Anti-prokinetic)
  - Protects nervous system degeneration (Neuroprotective)
- 
- **NO HIGH, NON ADDICTIVE, CAN'T OVERDOSE, NO SIDE EFFECTS**



Our Process - START WITH FEMINIZED SEED!





# Planting in the field







Short day plant vs auto flower



Female plants  
Male plants  
Hermaphrodites





This plant is easy to grow but....

Harvest – when the real work begins!





# Hop (Hemp) House







Samples and totes marked with Lot Number for testing.

Full traceability from seed to finished product.



Ready for extraction once released from quality control.



cGMP facility, kosher,  
Hemp Authority approval,  
organic





## CO2 Extraction

6 - 300L machines

2400 lbs./day biomass

2 million pounds in 2020





# Stainless Reactor (aka hot oil bath)





Filtering out the plant waxes.









Falling Film Evaporator

# Glass Reactor





# RISKS

- Banking
- Bank Loans
- Merchant services
- Insurance
- Interstate commerce
- Hot fields
- Markets
- Weather
- USDA rules
- FDA rules
- State rules
- Crooks



# GROWTH OF THE HEMP INDUSTRY IN OREGON

2015 - 13 growers - 105 acres  
2016 - 70 growers - 1,200 acres  
2017 - 233 growers - 3,469 acres  
2018 - 420 growers - 11,754 acres  
2019 - 1883 growers - 62,000 acres  
(Estimated less than 1/2 harvested)



Estimated to be the #1 agricultural crop in Oregon in 2019  
(or the next 4 letter word....)

# JOBS!



# RED BARN HEMP



FOR HEALING • FOR FAMILY • FOR LIFE



Retail products including muscle gels, creams, capsules, tinctures and dog biscuits.

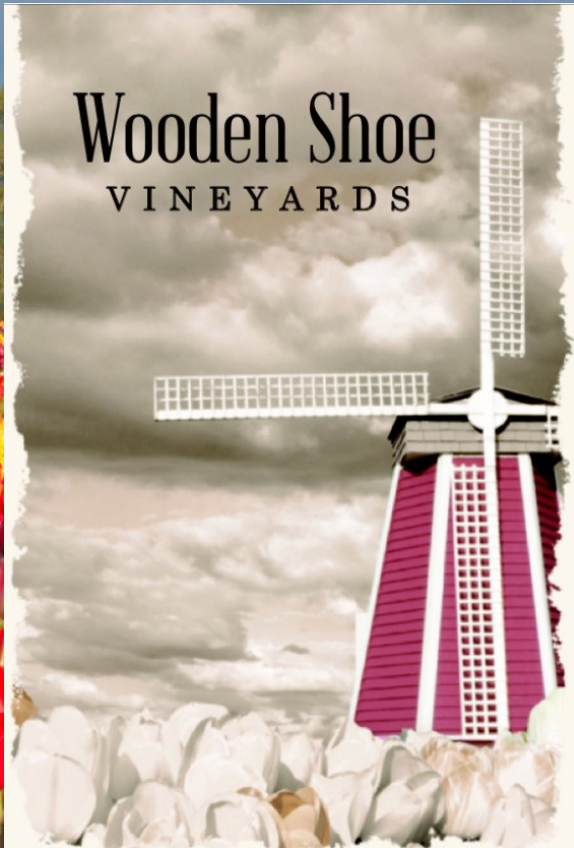
Wooden Shoe Tulip Farm & Vineyard  
Iverson Family Farm  
Red Barn Hemp  
FSOil



**WOODEN SHOE  
TULIP FARM**



**IVERSON FAMILY  
FARMS**



**Wooden Shoe  
VINEYARDS**



**FSOil**



**RED BARN HEMP**  
FOR HEALING • FOR FAMILY • FOR LIFE



# WOODEN SHOE TULIP FARM

2020 Annual Tulip Fest  
March 20-May 3, 2020  
(our 36<sup>th</sup> annual)  
Please join us!

Thank you!  
Questions?

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