

# HEMP 101



COLORADO STATE UNIVERSITY  
EXTENSION

How breaking down dog breeds can help us better understand the classification of hemp.

by  
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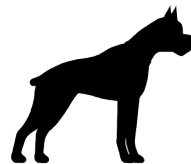
## *Canis familiaris*

Many different **BREEDS**, but all the same species



### **GOLDEN RETRIEVER**

**GROUP:** Sporting  
**TEMPERAMENT:** Friendly, intelligent, devoted  
**HEIGHT:** 23-24" (M), 21.5-22.5" (F)  
**WEIGHT:** 65-75 pounds (M), 55-65 pounds (F)  
**LIFE EXPECTANCY:** 10-12 years



### **BOXER**

**GROUP:** Working  
**TEMPERAMENT:** Bright, funloving, active  
**HEIGHT:** 23-25" (M), 21.5-23.5" (F)  
**WEIGHT:** 65-80 lbs. (M), 50-65 lbs. (F)  
**LIFE EXPECTANCY:** 10-12 yrs



### **LABRADOR RETRIEVER**

**GROUP:** Sporting  
**TEMPERAMENT:** Friendly, active, outgoing  
**HEIGHT:** 22.5-24.5" (M), 21.5-23.5" (F)  
**WEIGHT:** 64-80 lbs. (M), 55-70 lbs. (F)  
**LIFE EXPECTANCY:** 10-12 yrs



### **POODLE**

**GROUP:** Non-sporting  
**TEMPERAMENT:** Active, proud, very smart  
**HEIGHT:** > 15" (standard)  
**WEIGHT:** 60-70 lbs. (M), 40-50 lbs. (F)  
**LIFE EXPECTANCY:** 10-18 years

## *Cannabis sativa*

Many different **CULTIVARS**, but all the same species



### **INDUSTRIAL HEMP**

#### **Fiber**

Males (preferred)/Females Monoecious, Dioecious  
Seed  
'Felina 32'  
THC: <0.3% | CBD: 2-5%  
Field grown, 3-5" spacing  
Harvested when males flower, 2-3 tons/acre with 25% fiber



### **INDUSTRIAL HEMP**

#### **Seed & Grain**

Mostly females (some males for pollen)  
Dioecious  
Seed  
'X-59'  
THC: <0.3% | CBD: 2-5%  
Field grown, 3-5" spacing



### **INDUSTRIAL HEMP**

#### **Seed & Fiber (dual purpose)**

Male/Females both flower Monoecious  
Seed  
'Helena'  
THC: <0.3% | CBD: 2-5%  
Field grown, 3" spacing



### **INDUSTRIAL HEMP**

#### **CBD Oil**

Females preferred  
Dioecious  
Clones or feminized seed  
'Cherry'  
THC: <0.3% | CBD: 10-20%  
Field grown, 3-5' spacing



### **MARIJUANA**

#### **aka weed or pot**

Females preferred  
Dioecious  
Clones  
'Kush', 'Diesel'  
THC: 25-30% | CBD: 0-20%  
Greenhouse/Single pots

**(SEE REVERSE SIDE FOR HEMP IMAGES)**

# INDUSTRIAL HEMP MALE & FEMALE FLOWERS

Male Plants  
June 2019



Female Plants  
August 2019



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## HEMP CULTIVARS



**Industrial Hemp**  
Fiber



**Industrial Hemp**  
Seed & Grain



**Industrial Hemp**  
Seed & Fiber



**Industrial Hemp**  
CBD

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For more information, please visit <http://hemp.agsci.colostate.edu>

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