Hemp as a Transition Crop

2020 UVM Industrial Hemp Conference

Joe Veldon
Seven Leaf Genetics

Male Flower

Female Flower

Chemotypes are a plant's propensity to produce specific oils.

Type I:	THC predominate	(Td/Td)
Type II:	Mixed THC/CBD	(tD/Td)
Type III:	CBD predominate	(tD/tD)
Type IV:	CBG predominate	(td/td)

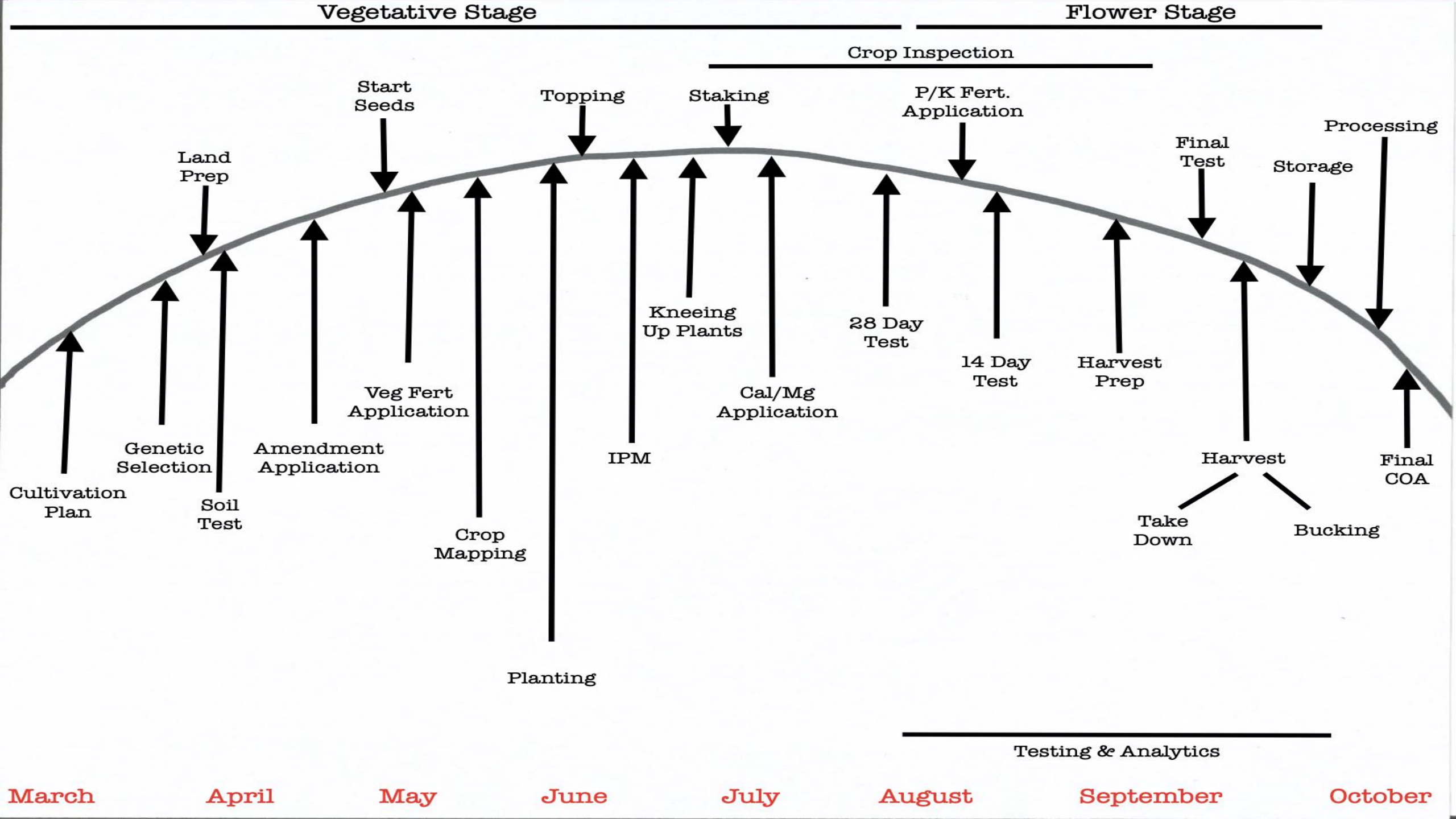
Ice looks nice but has destroyed the majority of oil on these plants.

What is the end game for the crop?

How do you intend to harvest the crop?

Which cultivar will fit best with this plan?

How many plants will you need?


Vegetative Stage
Flower Stage
Crop Inspection
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Topping
Staking
P/K Fert. Application
Processing
Final Test
Storage
Land Prep
Kneeing Up Plants
28 Day Test
14 Day Test
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Amendment Application
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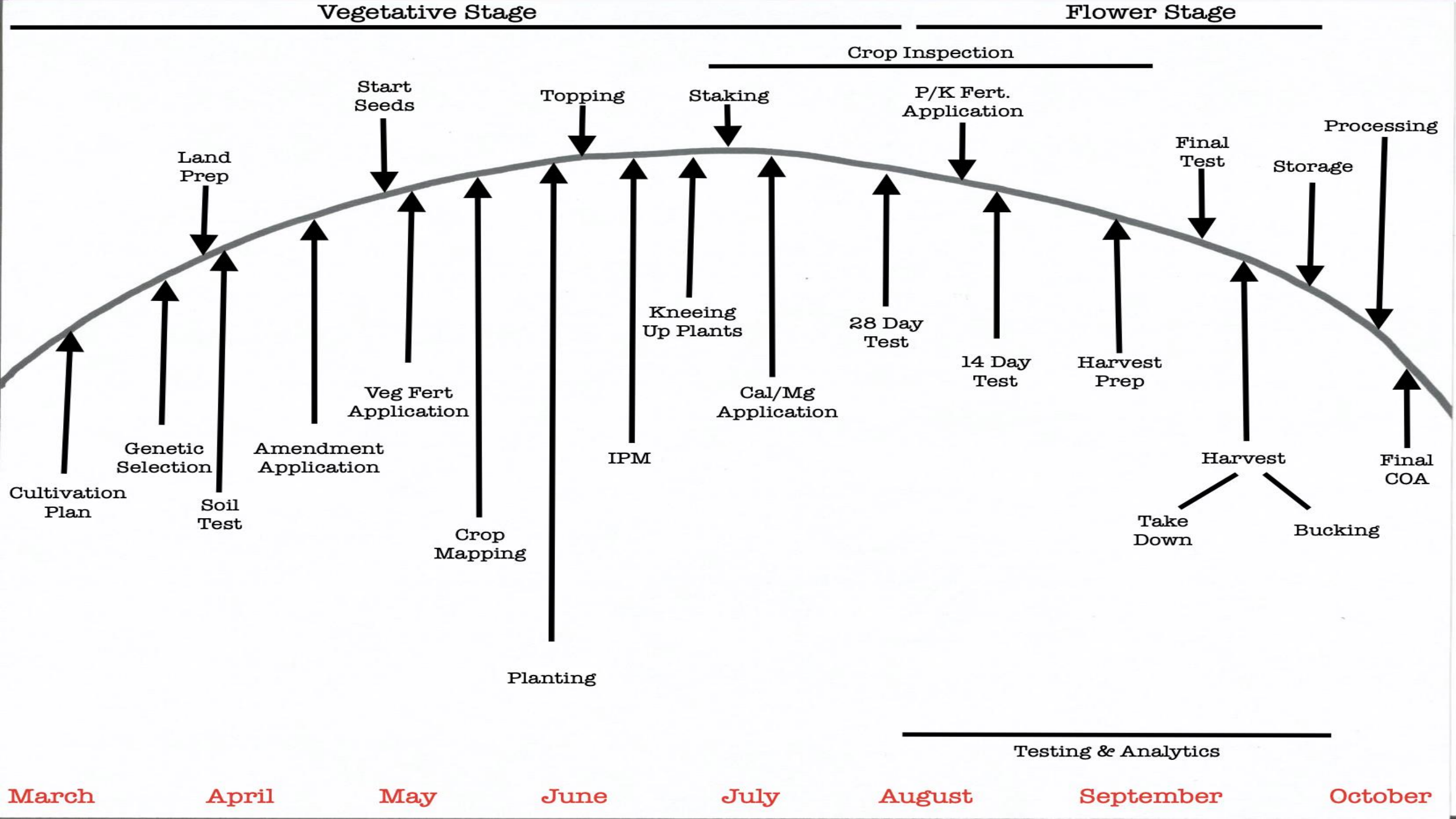
Soil Test
Crop Mapping
Take Down
Bucking
Planting
Testing & Analytics
March
April
May
June
July
August
September
October

Seeds and Clones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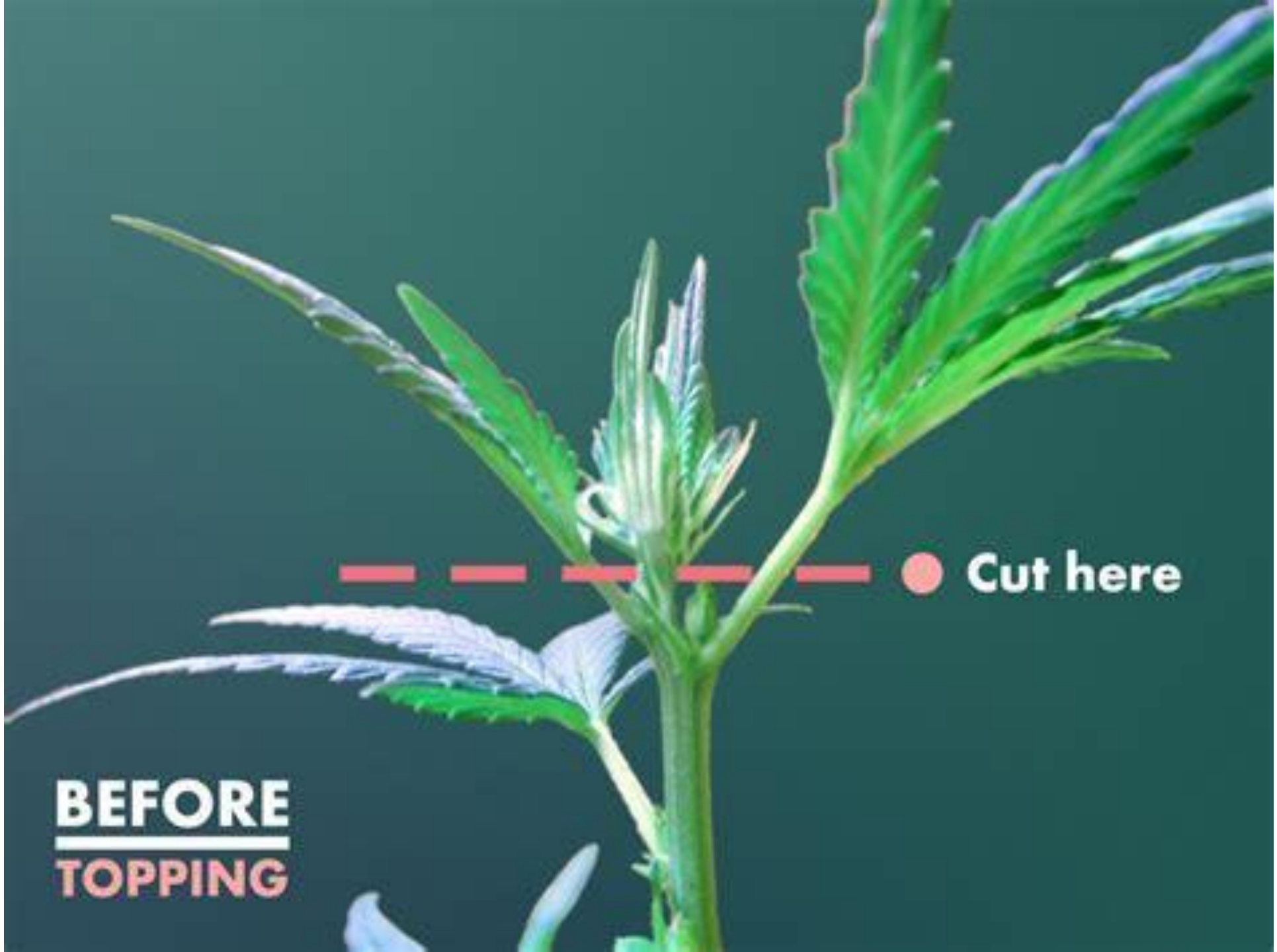
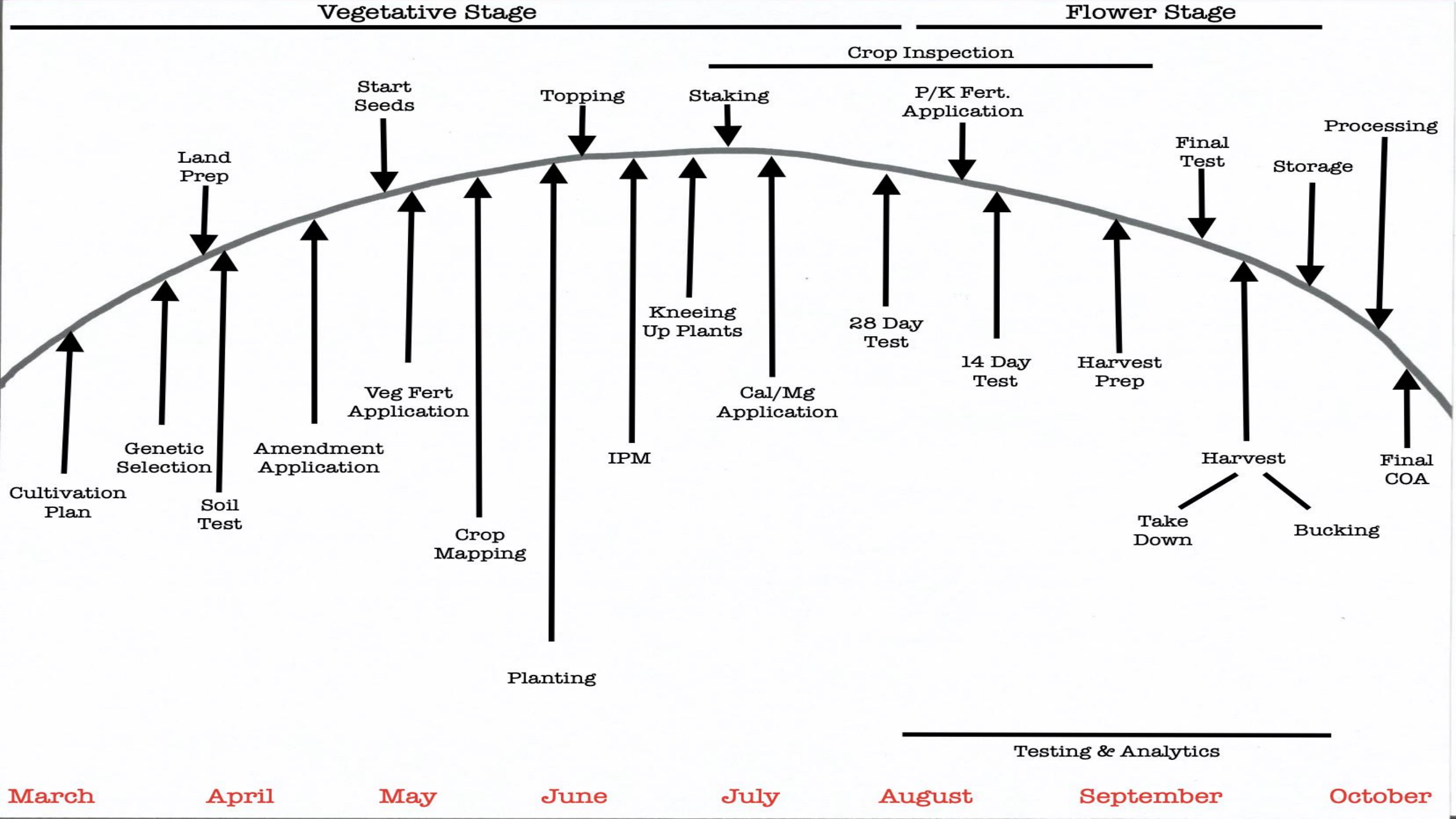

Cut here
BEFORE
TOPPING

Photo credit: V. Veldon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PROVERDE LABORATORIES

Test Certificate

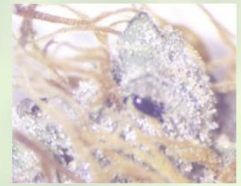
Certificate ID: **58472**
Client Sample ID: **Ss**
Lot Number: **2**
Matrix: **Flowers/Bud - Dry**

Received: **7/1/19**

Scan QR Code for authenticity

Seven Leaf Organics
388 Cole Hill Rd
Morrisville, VT 05661
Attn: Joe Veldon

Authorization:	Signature:	Date:
Jon Podgorni, Lab Manager	Jon Podgorni	7/11/2019



PJLA Testing
Accreditation
80585

The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

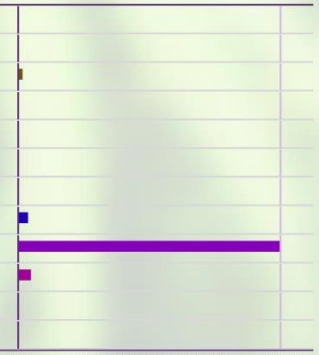
CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: JSG *Test Date: 7/10/2019*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

58472-CN

ID	Weight %	Concentration (mg/g)
D9-THC	0.04	0.36
THCV	ND	ND
CBD	0.21	2.10
CBDV	ND	ND
CBG	ND	ND
CBC	0.03	0.30
CBN	ND	ND
THCA	0.47	4.72
CBDA	12.58	125.81
CBGA	0.61	6.12
D8-THC	ND	ND
exo-THC	ND	ND
Total	13.94	139.41
Max THC	0.45	4.50
Max CBD	11.24	112.43



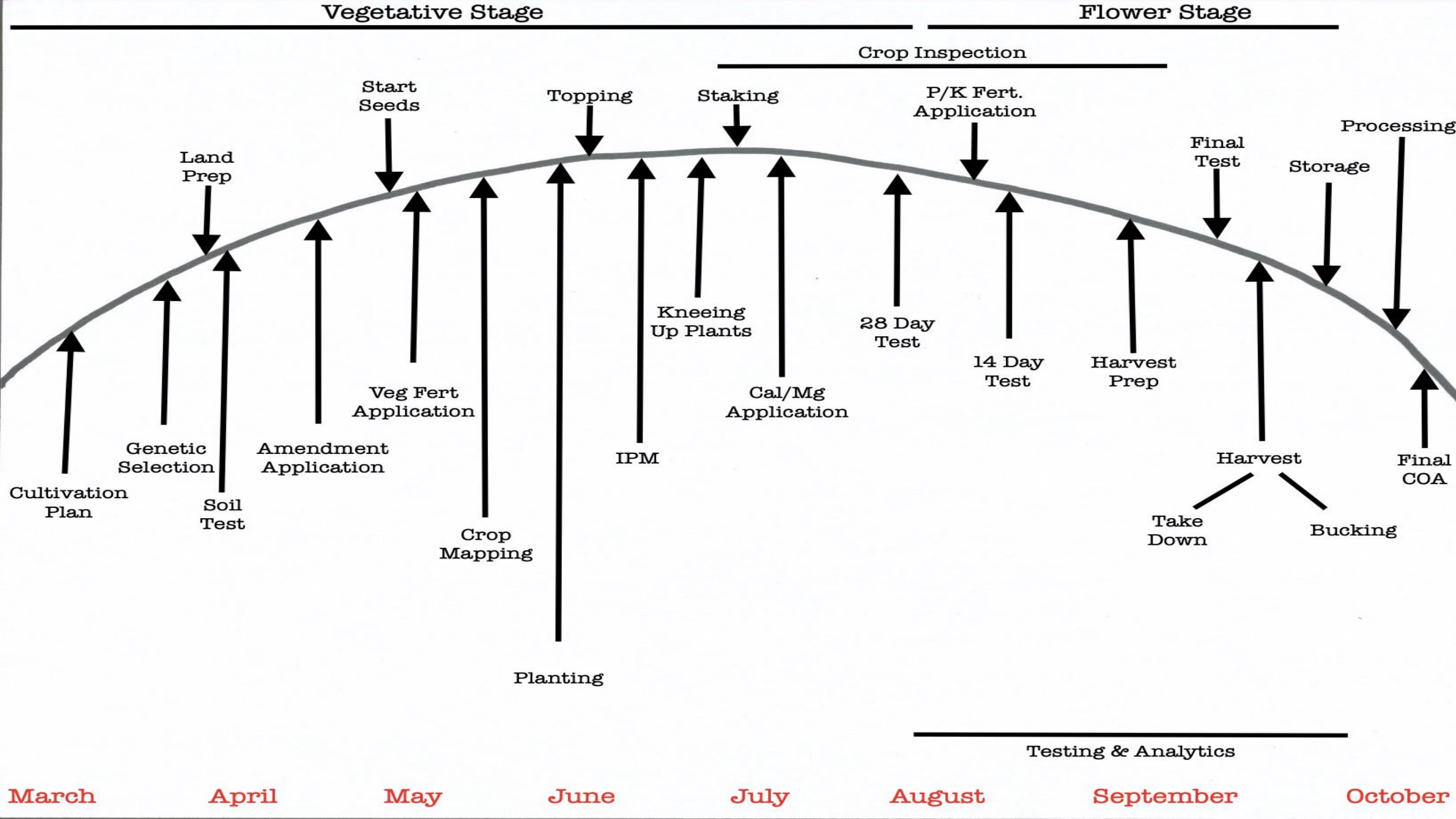
Ratio of Total CBD to THC 25.0:1

Limit of Quantitation (LOQ) = 0.01 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LLD)

END OF REPORT

https://ministryofhemp.com/blog/vermont-hemp-laws/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