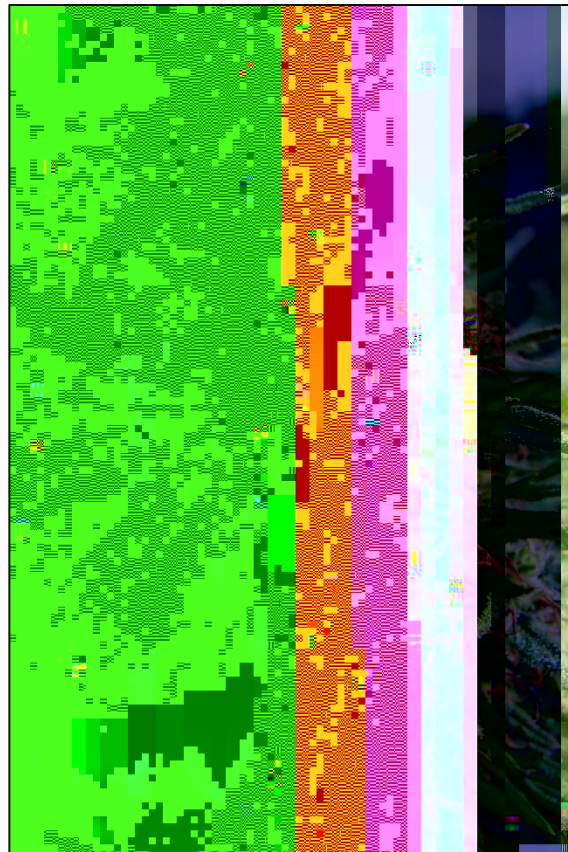


2020 Hemp Flower Plant Spacing x Planting Date Trial



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Table 2. Plant population per acre for each plant spacing.

Plant spacing, ft x ft	Population*, plants ac⁻¹
1 x 1	43,560
3 x 3	4,840
5 x 5	1,742

*Population does not account for alleys or roads.

On 22-Oct, plant height was measured from the two middle plants of each plot. The plants were harvested by hand on 22-Oct and 23-Oct, and two whole plants from the center of the plot were weighed. Two plants per plot were harvested by hand using bypass loppers or chainsaw depending on stem size. The whole plant

he
flower bract. Remaining stems were then bucked using the BuckmasterPro Bucker (Maple Ridge, BC, Canada) and remaining leaf material and buds were collected. Wet bud and leaf material was then run

RESULTS

Seasonal precipitation and temperature were recorded with a Davis Instrument Vantage Pro2 weather station, equipped with a WeatherLink data logger.

DISCUSSION

Hemp is a photoperiod sensitive plant and produces vegetative growth as day length increases and switches to reproductive growth as day length decreases. This trial indicates that adequate yield can be obtained from hemp when planted throughout the month of June. Greatest difference in plant proportions were observed between the first two and last planting dates. This last week in June may be a key planting date where adequate yields can still be obtained, however pushing this date further out may have more significant impacts on flower yields overall. Continued, later planting dates may have greater impacts on yields when prolonging planting into July as plants would likely not have adequate time for vegetative growth to bear flowers. Later planting dates may have resulted in continued vegetative growth after day length began to decrease, due to later transplanting and establishment.

When looking at plant spacings, there were similarly clear differences observed across each treatment. While the determine optimum spacing. As an example, initial cost for plant material, regardless of labor, could prove to be prohibitive fo