



Welcome:
Hemp Plant Architecture:
How a plant's architecture should
influence your production plans

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Arcadia brings modern agriculture expertise to Good Hemp



18+ years experience improving crops and their seed performance



Bringing deep understanding of other crops to hemp

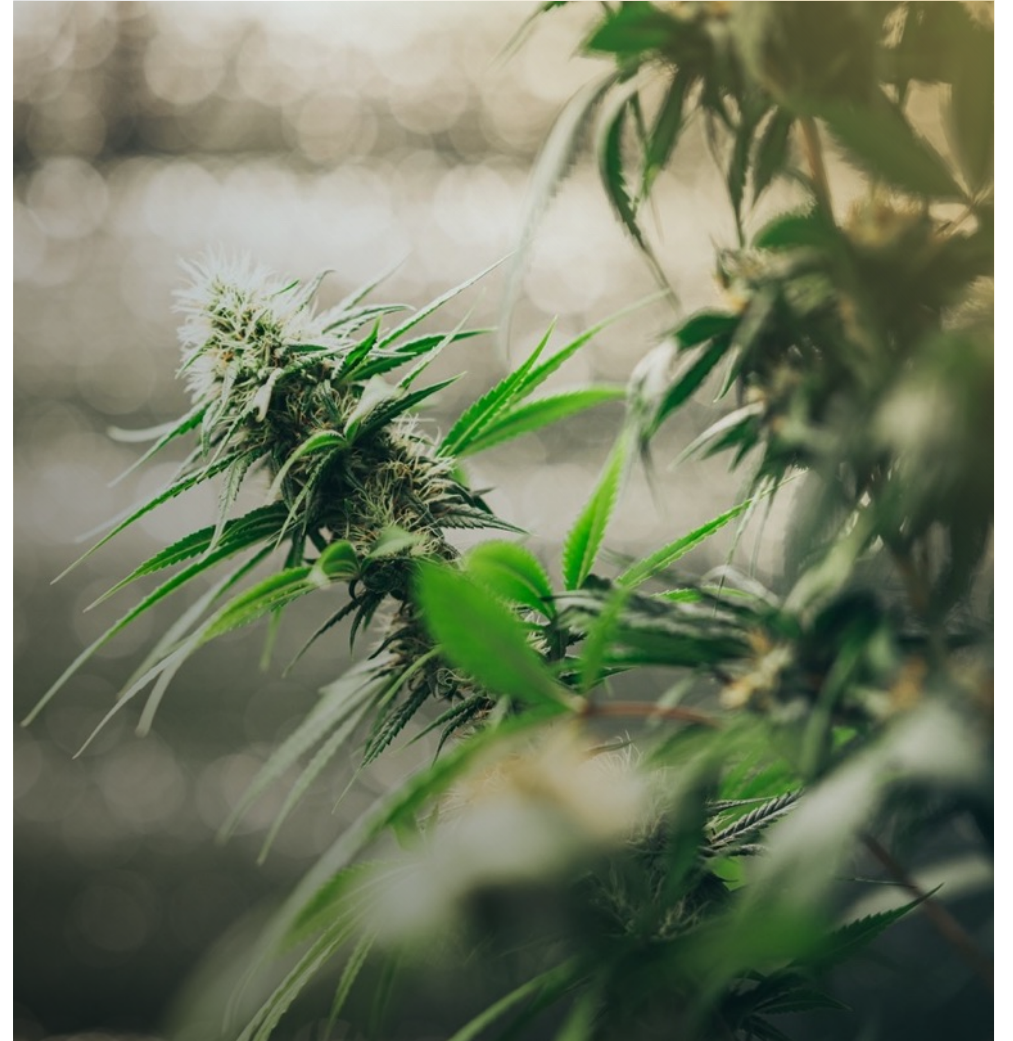


Only publicly traded company in hemp genetics



Most experienced team in hemp genetics

- More PhDs, more geneticists
- Importantly, more practical field agronomists who have grown this crop previously



Key learnings



Cannabis architectural
differences – how they
affect your planting



Flower differences
and how they affect
your end use



Example: Historic and modern corn architecture

Focused breeding has produced monolithic architecture



Reduced plant height for lodging resistance and harvestability



Sharper leaf angle to aid in light interception, planting density



Cannabis plant structure comes in various types



Upright stature



Bush type



Christmas tree



Extreme examples exist



Some varieties are specifically suited to geography



Flower structure also varies in shape, size and density



Pleiotropy or Linkage?



University of Minnesota Extension



<http://www.countygp.ab.ca/>
Grande Prairie Alberta



Botrytis



Botrytis cinerea



Major disease of cannabis



Can completely ruin a crop



Humid environments
particularly susceptible



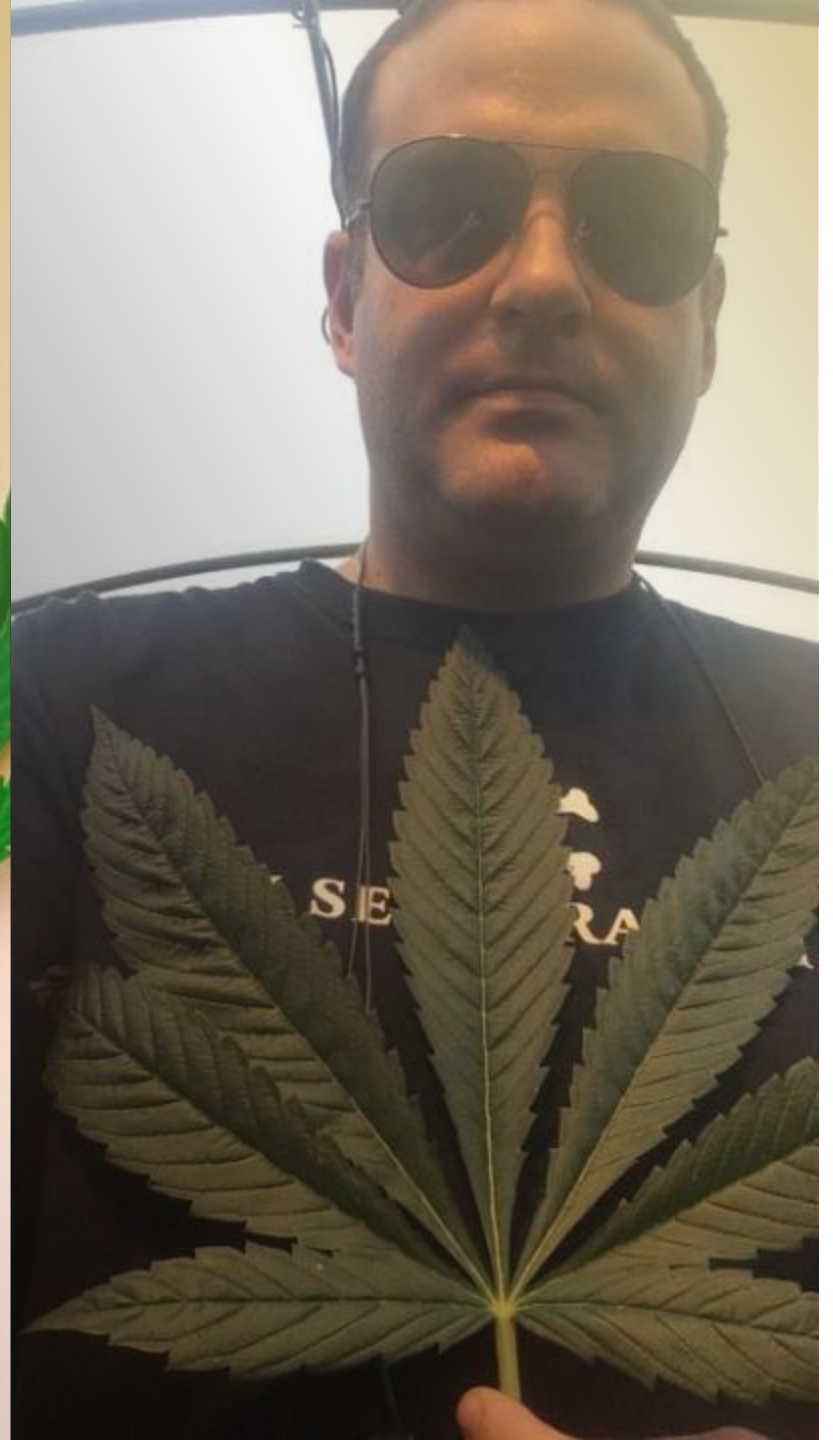
Late flower rains can exacerbate



Does flower structure influence susceptibility?



Does Leaf Architecture Matter?



Variety selection will be informed by field layout, irrigation program, harvest method



High planting density, upright plant structure, high yield, mechanized ready



Medium planting density, tree like structure, medium yield, may be mechanized ready



Low planting density, bush structure, medium yield, likely not mechanized ready



Thank You
for attending.

For more information
please visit
GrowGoodHemp.com.



www.GrowGoodHemp.com
www.HempInnovationSeries.com

