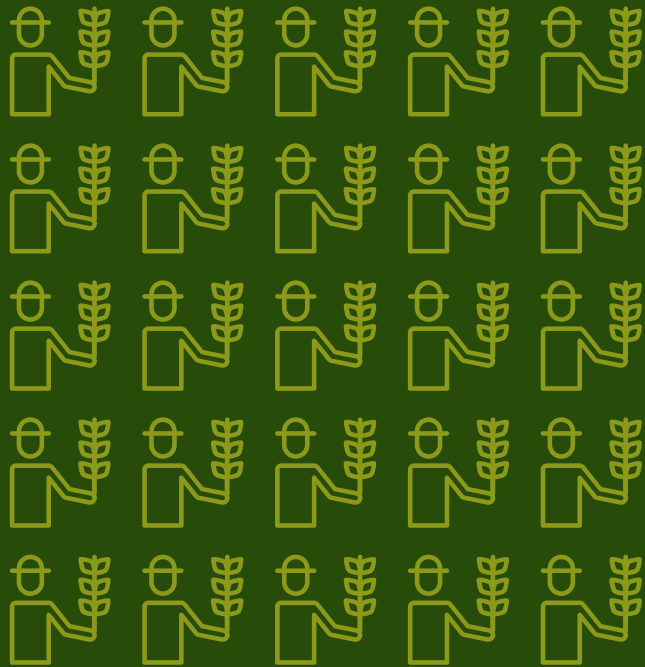




**Empowering
farmers who
struggle for
sustainability**



The number of Black farmers have steadily declined



1M

1920



39K

2007



The average annual income
of a Black farmer today is
just **\$2,408**

This trend
harms all
farmers and puts
our entire food
system at risk

A Farmer Owned Co -Op

providing access and opportunity, to

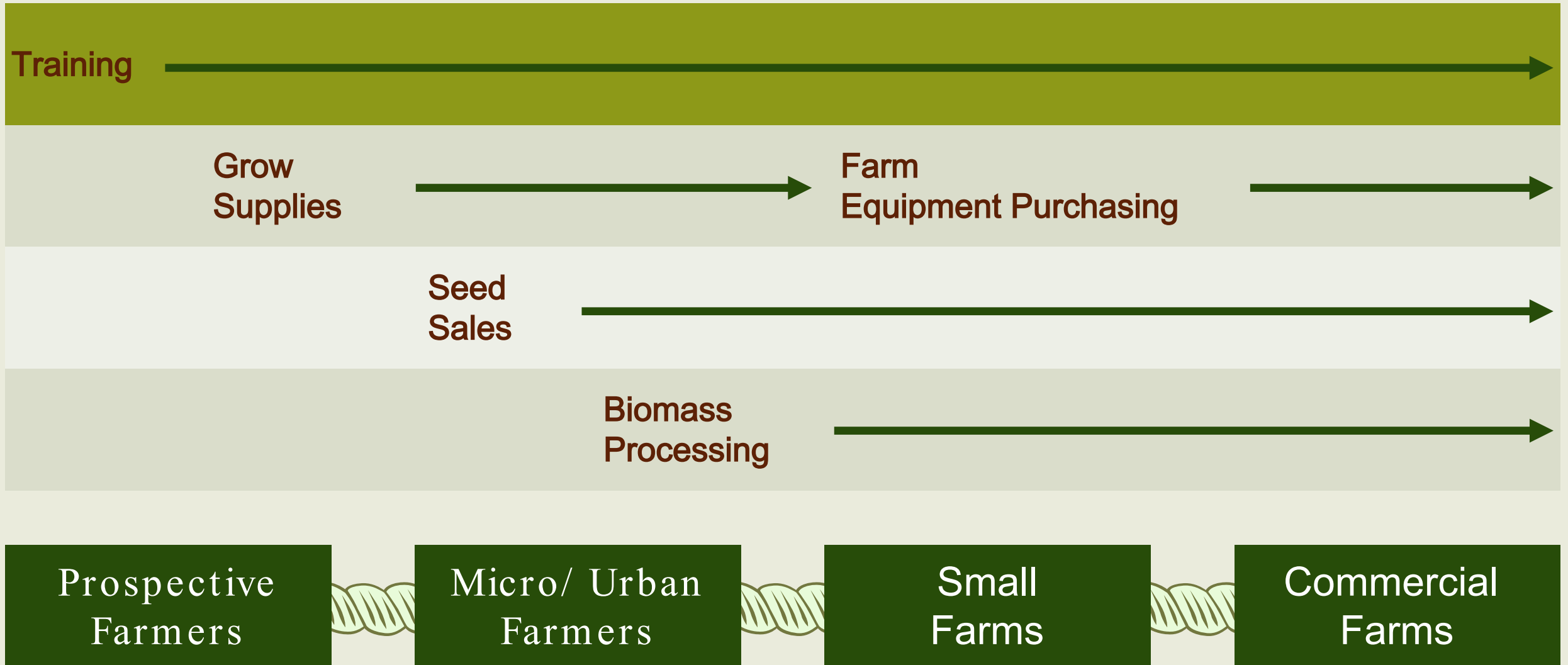
Socially Disadvantaged

farmers at every stage of their lifecycle.



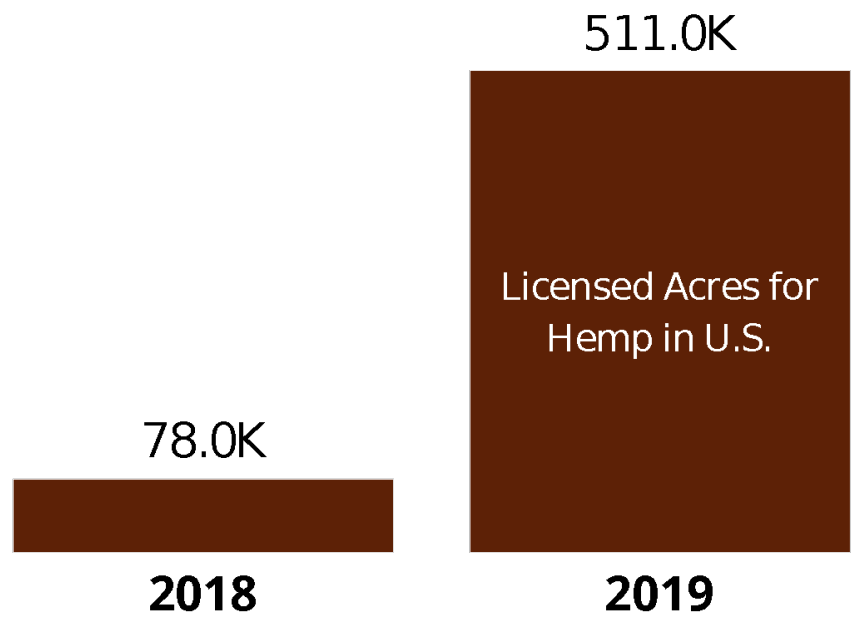
Our solution





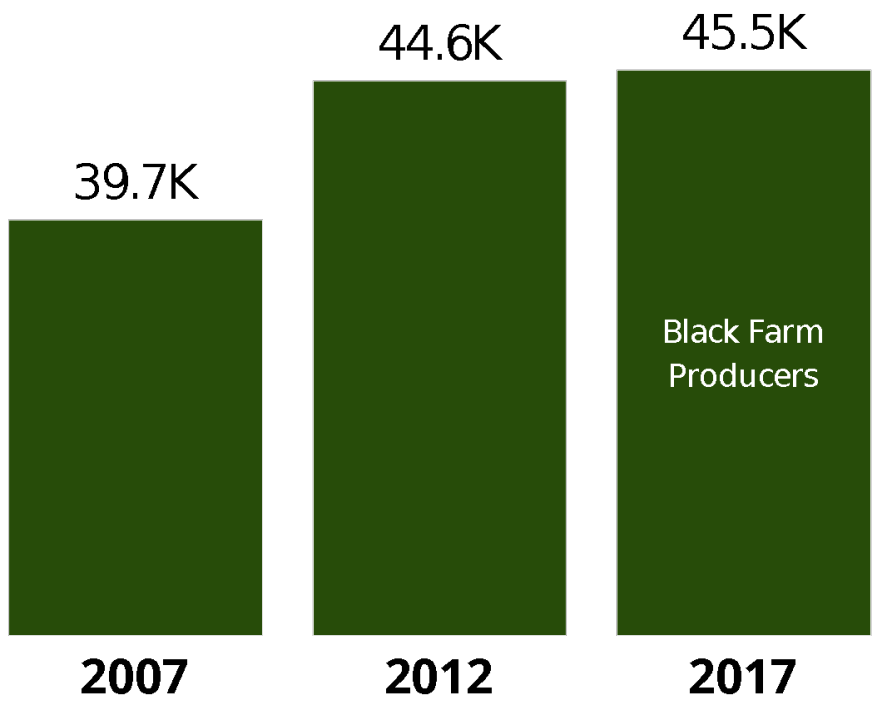
How we help farmers

Demand for Hemp Seeds and Plants is growing



Source: USDA

The Number of Black Farmers is on the rise



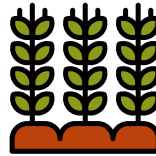
Source: USDA

Defining our market

We've had fast growth in our short existence



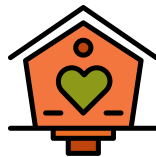
In **2020** 25 farmers enrolled, bringing 250 acres online for production



Engaged key **partnerships** for research and development



Secured a co-ownership agreement for a 33,000 square foot hemp processing facility



Collected **valuable member** and prospect survey data

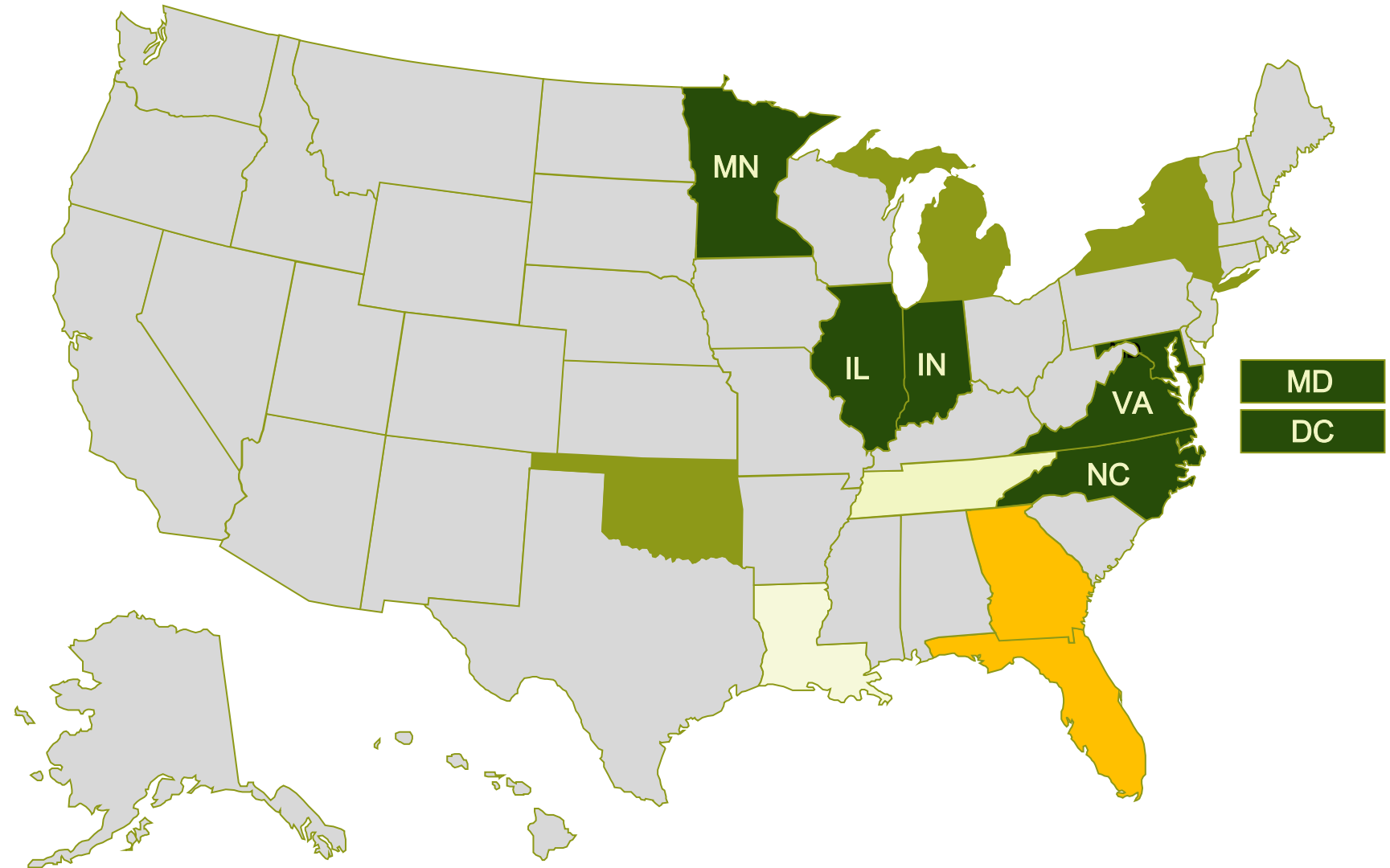
Where we've been

Current Hubs

Great opportunity for expansion

Demand but too many policy barriers

Expansion opportunity with investor support



Markets we are growing

	2021 1K Acres 1.5M Plants		3% Market Share 15K Acres 22.5M Plants		7% Market Share (35.7K Acres) 56.2M Plants	
Seed Sales		\$1.5M		\$2.2M		\$5.6M
Biomass Processing	Crude Oil \$600/lb	\$18M	Crude Oil \$400/lb	\$180M	Crude Oil \$400/lb	\$450M
	CBD Flower \$226/lb	\$4.5M	CBD Flower \$151/LB	\$45M	CBD Flower \$151/lb	\$112.5M
Grow Support	Education	\$.20M	Education	\$2M	Education	\$3M
	Equipment Rental	\$.25M	Equipment Rental	\$3.8M	Equipment Rental	\$9.4M
	Grow Kits	\$.20M	Grow Kits	\$.5M	Grow Kits	\$1M
Annual Revenue		\$24.6M		\$233.5M		\$581.50M

How we earn



High
Training and Support



Our market access is attracting our competitors with invitations to partner. We call them industry allies.

Low
Quality & Transparency &



High
Quality &
Transparency



Low
Training and Support

The competition

Ownership of Proprietary Seed Bank Technology

We grow our own strains,
personalized to the region.

Low Cost
\$.10/seed

Higher
Quality +
Yield

Supply
Chain
Quality
Control



Our competitive advantage



Market Options – Smokable Hemp %5 of CBD market

- Hemp Industry Daily and Nielsen Research peg the smokable hemp market at around \$80 million total sales.
- According to their analysis, the market is currently divided evenly between loose hemp buds and CBD pre-rolls.
- By 2025, however, the smokable hemp market is expected to swell to upwards of \$300 million with a 500% increase in sales growth.
- The average annual spend on smokable hemp products already exceeds average spend on pipe tobacco and loose cigarette tobacco, and is expected to surpass cigarettes by 2025



The future of hemp growing





To join our movement to:

#harvestequity

Contact Angela Dawson

angela@fortyacrecoop.us



LOCALLY OWNED AND OPERATED IN HASTINGS, MINNESOTA

Jeremy Saueressig
Owner/Operator



FARMING | PROCESSING | PRIVATE LABELING

At SporoBio, we believe the farmer is at the root of the business. Our commitment to educate and empower our farming partners will result in the highest quality and quantity products, yielding the best return for the farmer and the best products for our clients and their consumers. Whether our products are used for human use, and/or animal consumption, we will strive to provide the highest quality products on the planet.

www.SPOROBIO.com

OUR PROCESS

Our premium hemp extract is grown in Minnesota with over 4 generations of experience.

We only use the highest quality, all natural, pesticide free and non-GMO hemp. This results in the finest and purest hemp CBD and cannabinoid products on the market. From SEED to YOU, our family would be proud to be part of your wellness plan for a future of good health.





PRIVATE LABELING

RESEARCH & DEVELOPMENT

- Capable of making test batches
- Ability to perform all critical testing
- Internal & 3rd party testing

CUSTOM FORMULATION

- 1,000s of customizable formulations

REGULATORY & COMPLIANCE

- Products are made to comply with Local, State, and Regional regulation. Due diligence is completed on each product with the final product in mind

RAPID PROTOTYPING

- Produce display-ready prototypes for marketing and websites

FULL SERVICE MANUFACTURING

- Agile set up for small and large filling runs
- Secondary packaging services

Water Soluble Powder



Pharmaceutical Grade
Made in the USA

What is Water Soluble Powder?

SporoBio Water Soluble Powder (WSP) is a versatile, natural CBD product that is an efficient and clean alternative to oil-based CBD. This bioavailability **(98%)** product helps retain a greater amount of CBD when introduced into your body and through your bloodstream. WSP can be used in a wide range of baked goods, health products, cooking, and beverages.

Particle Size	Nanometer
Base Ingredients	CBD Isolate, THC free
Concentration	15% cannabinoid by weight
Color	Snow White
THC Range	0% THC
Packaging	Plastic tubs or lid lock buckets
Quantity	Kilograms
Shelf Time	24 Month retest



OUR PROMISE

JEREMY.SAUERESSIG@SPOROBIO.COM

To deliver the highest-quality, phytocannabinoid-rich hemp products. We have partnered with farmers to source the very best and unique hemp genetics in order to provide you with products high in cannabinoids and other rare and unique naturally occurring synergistic cannabis compounds. Before and after each harvest, our farmers test the plant material to ensure the absence of pesticides, heavy metals and other foreign materials.

After testing is completed, our farming partners then process and ship the phytocannabinoid-rich plant material to our extraction facility where we turn the biomass into full spectrum oil or isolate. Once converted into oil or isolate, each batch is then assigned a unique barcode and certified at one of our testing labs before being shipped to our GMP manufacturers to be made into premium phytocannabinoid-rich finished küribl products.

All of our hemp is grown in the USA and is all natural, pesticide free, and non-GMO. We use only the highest quality hemp, resulting in the finest and purest hemp CBD products on the market.

MINNESOTA HEMP FARMS

Company Overview & Market Opportunities



About Us



John Strohfus is the founder of **Field Theory™** and has been involved with agriculture his whole life.

Up until 2015, **Strohfus Stock Farm** centered around Horse Boarding, Hay & Forage Production, and Corn & Soybean farming was John's primary business.

The approval of the 2015 Farm Bill gave John the opportunity to pivot his farming operations and focus on Hemp & Regenerative Agriculture.

John was the FIRST Hemp Grower in Minnesota in 2016.

Of the 30 acres of hemp planted in the state, Minnesota Hemp Farms planted 18 acres.

The **Field Theory™** brand was created in 2016 and has evolved to include other specialty seeds & grains and upcycled foods.



LARGEST
US BASED
HEMP FOODS
COMPANY

Wholesale,
Retail &
Private Label
OFFERINGS



Why Hemp?

Plant-based Proteins Key Mega Trend



Google Chairman Eric Schmidt named the number one “game-changing” trend of the future as the consumption of plant-based proteins.

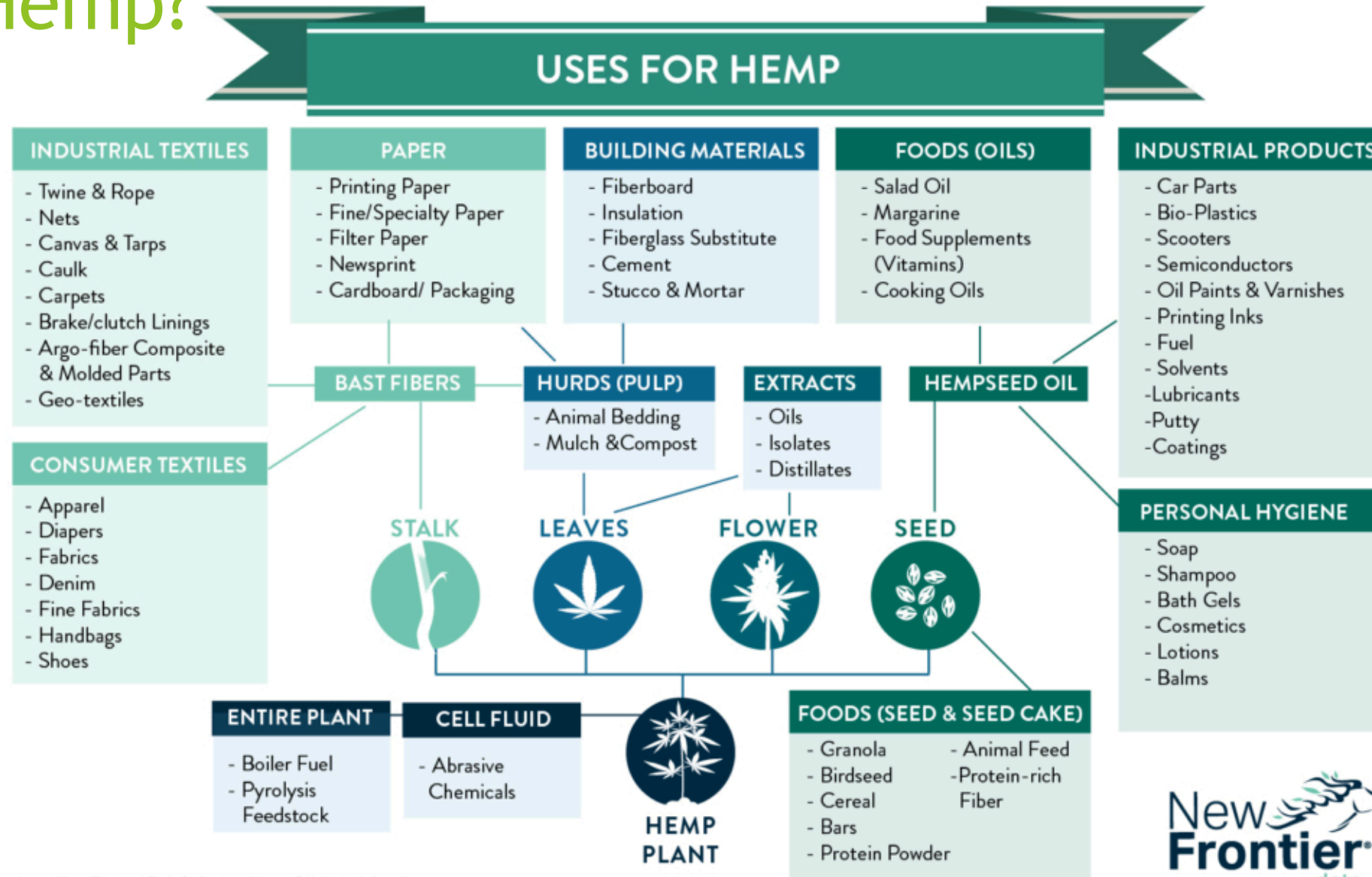
Schmidt has dedicated his career to identifying worldwide technology trends, and discussed plant-based foods as one of the six upcoming technologies that will significantly improve society and the quality of life.

QUOTE: 2016

©2021 Minnesota Hemp Farms, Inc



Why Hemp?



© 2018 New Frontier Data | Source: Hemp Business Journal

©2021 Minnesota Hemp Farms, Inc

New
Frontier
data

**FIELD
THEORY**
•bring hemp to life™•

FARMING ("Hemp" x 3)



Growing For Grain



Double Box Drill 6" Spacing

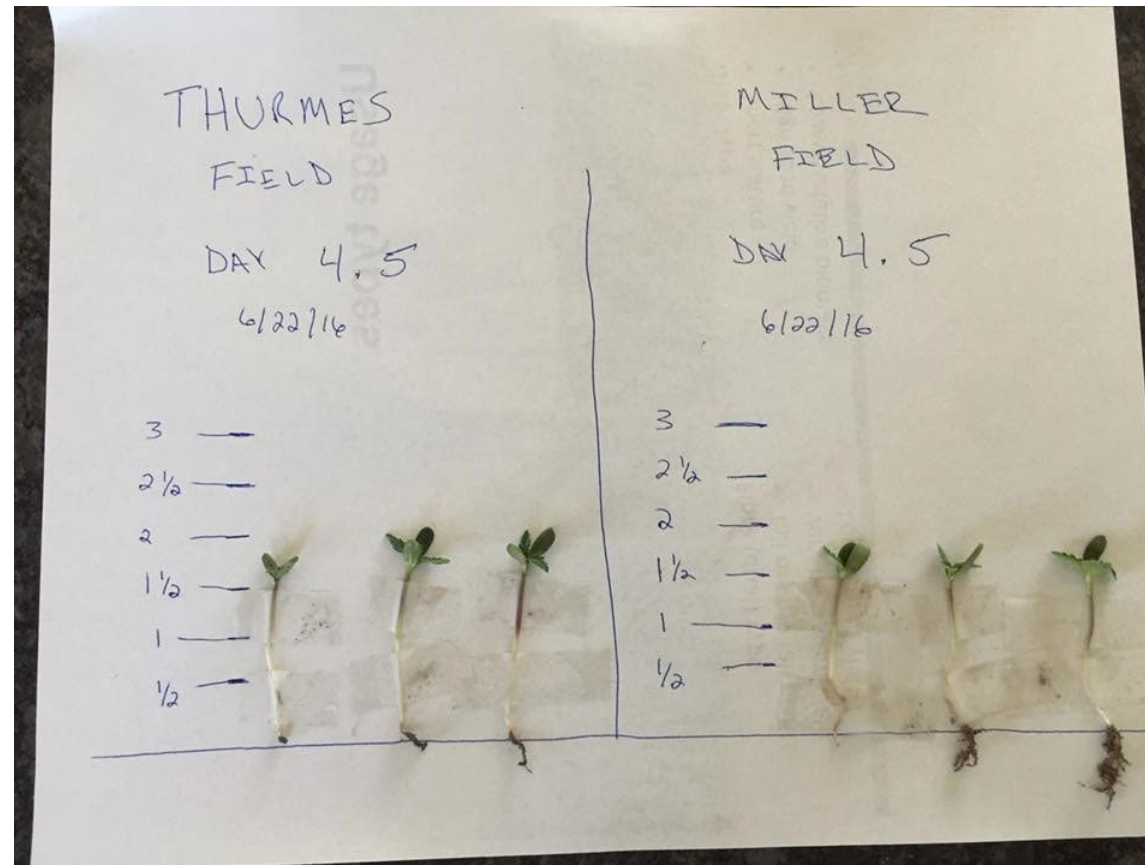
Growing For Grain

- ▶ Good emergence just 4.5 days after planting!



©2021 Minnesota Hemp Farms, Inc

- ▶ 2" root to crown just 4.5 days after planting!



Growing For Grain

► 12 Days!



©2021 Minnesota Hemp Farms, Inc

► 22 Days!



Growing For Grain



Growing For Grain



©2021 Minnesota Hemp Farms, Inc



Growing For Grain

► Harvesting Grain (90-105 Days)



Growing For Grain



High Moisture 25%



Growing For Grain (cleaning)



Market Value

\$1.00/lb Organic

\$.40/lb Conventional

Cleaned and Dry



44# per Bu
1,000#-1500# per acre

Growing For Fiber



Growing For Fiber



Market Value
\$100 - \$200 per ton

Growing For “CBD” (aka Flower / Biomass)



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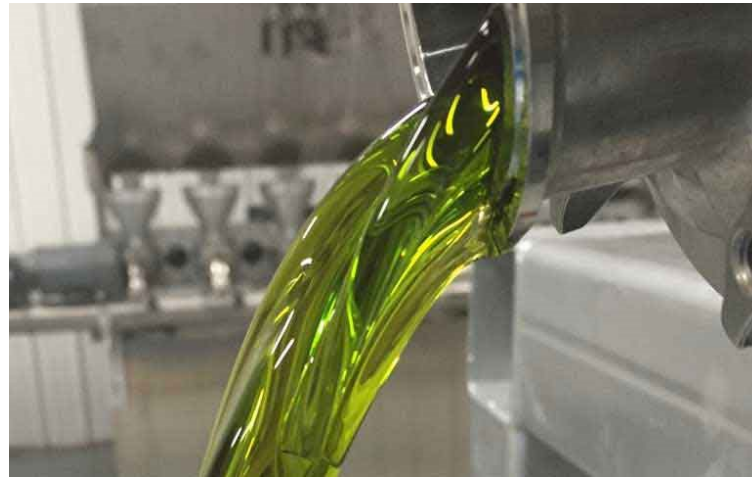
Market Value
\$20-\$200
per plant!



Growing For “CBD” (aka Flower / Biomass)



Bulk Wholesale Ingredients



Hemp Retail Products

Conventional & Organic Offerings:

Hemp Hearts – 8oz, 5 lb Bulk Bag, and 1oz Snack Packs

Roasted Hemp Seeds – 8oz and 1oz Snack Packs

Hempseed Oil – 8oz

Hemp 50 Protein Powder – 16oz



10g
PROTEIN

Hemp Hearts are a great source of **PLANT-BASED protein** per serving! More than 25% of hemp seed's calories are protein! This is more per serving than chia seeds and flax seeds.

PALEO
APPROVED

Rich in healthy fats! Hemp hearts are over 30% fat and contain great fatty acids, particularly omega-3 and omega-6. Hemp also contains GLA, which is harder to find and prevents inflammation. GLA also helps to bind and balance the body's hormones.

KETO
FRIENDLY

ADD TO :

GLUTEN
FREE



Yogurt & Smoothies

Your Favorite Recipes



Salads



On-the-Go Snacking



Hemp Extract (CBD) Products



CBD Gummies – 10 mg CBD per gummi, 30 count pouch

Routine Tincture – 300 mg Hemp Extract per bottle, 1 oz

Relief Tincture – 1800 mg Hemp Extract per bottle, 1 oz

Muscle & Joint Salve – Hemp & Arnica Oil Extracts, 1 oz

Paws Tincture – 300 mg Hemp Extract per bottle, 1 oz

BROAD
SPECTRUM

CO₂
EXTRACTION

USA
MADE

NON-
PSYCHOACTIVE

A certified Colorado Hemp Oil extract with naturally occurring cannabinoids, terpenoids, flavonoids, and other beneficial phytonutrients extracted from the hemp plant.

MARKET OUTLOOK



US Hemp Market Outlook

- ▶ Plant Based Protein is not a fad it's a consumer evolution trend
- ▶ More US Hemp Production but still heavy reliance on Canadian Supply to meet current demands and quality.
- ▶ Bulk Sales will increase with more awareness of blending opportunities. Breads, Cereals, Snack Bars, Baking Mixes.
- ▶ More Private Labeling will occur. Selling into existing customer base who already have brand loyalty for other products is key growth area. Large Retailers who want to ignite their sales with a "Hot Product".
- ▶ Repeat: "Not a fad"! Plant based proteins and organics are what the consumers will continue to desire.
- ▶ CBD Continues to be stifled by FDA policy and Risk to Retailers

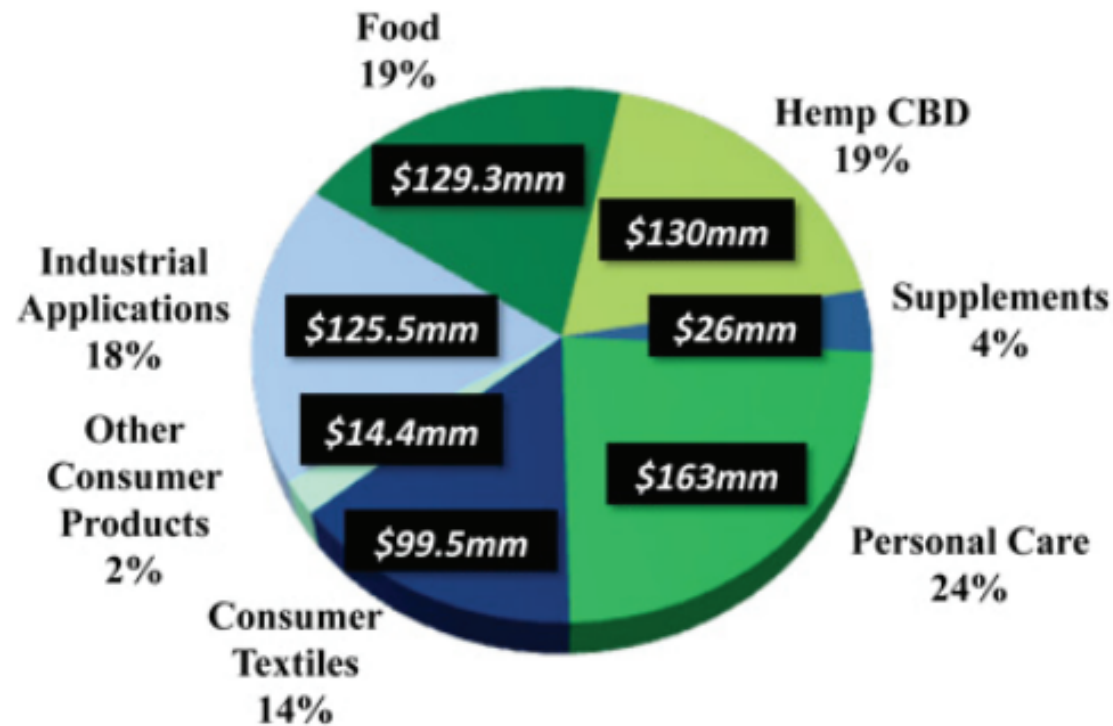




2016 Hemp Market Update

2016 Annual Retail Sales for Hemp Products Estimated at \$688 Million
Hemp Food, Body Care, CBD and Supplements Retail Market in U.S. Achieves 25% Growth

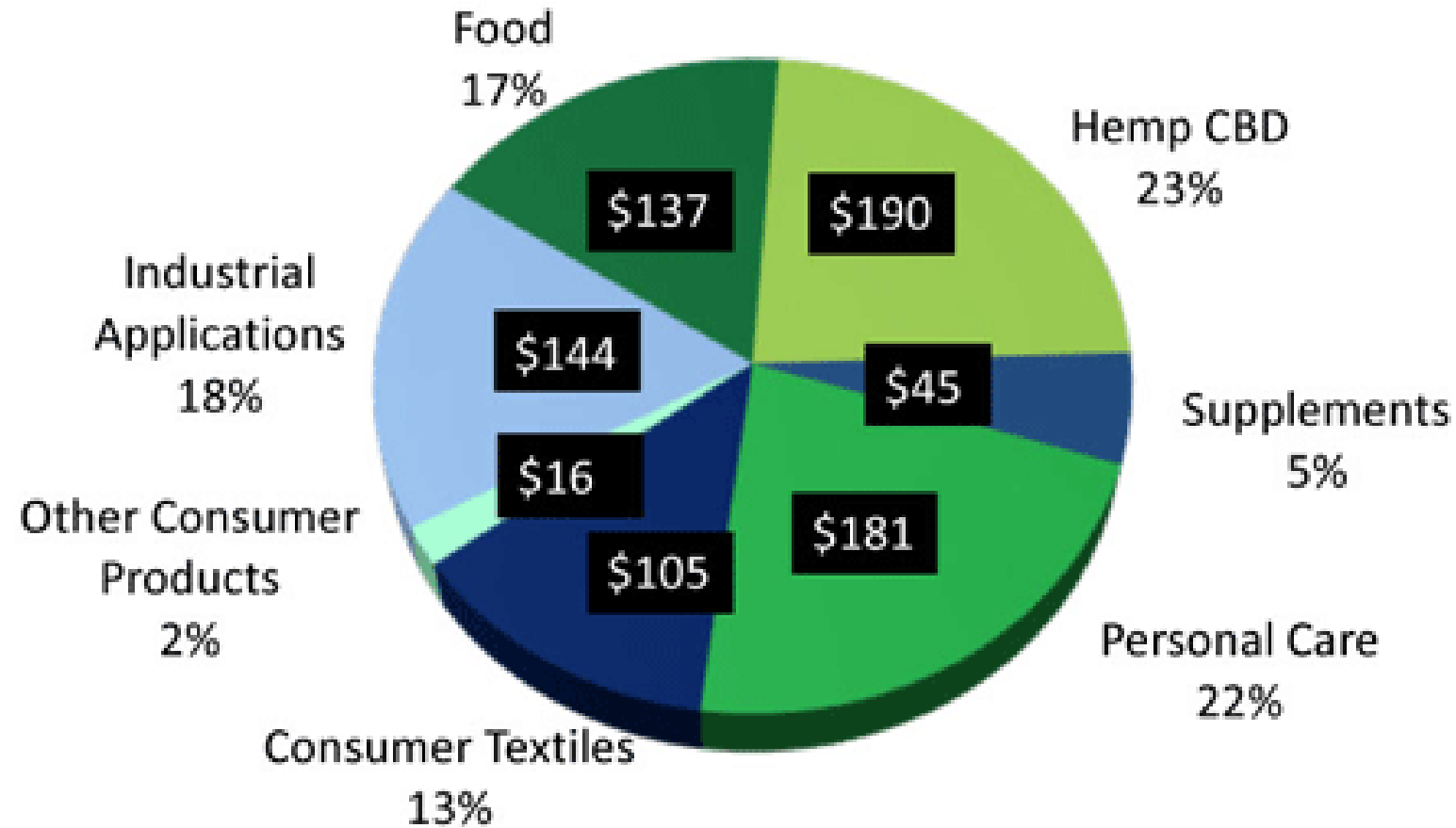
\$688 Million Total U.S. Hemp-Based Product Sales by Category in 2016



Source: *Hemp Business Journal* and *Vote Hemp* estimates (consumer sales)



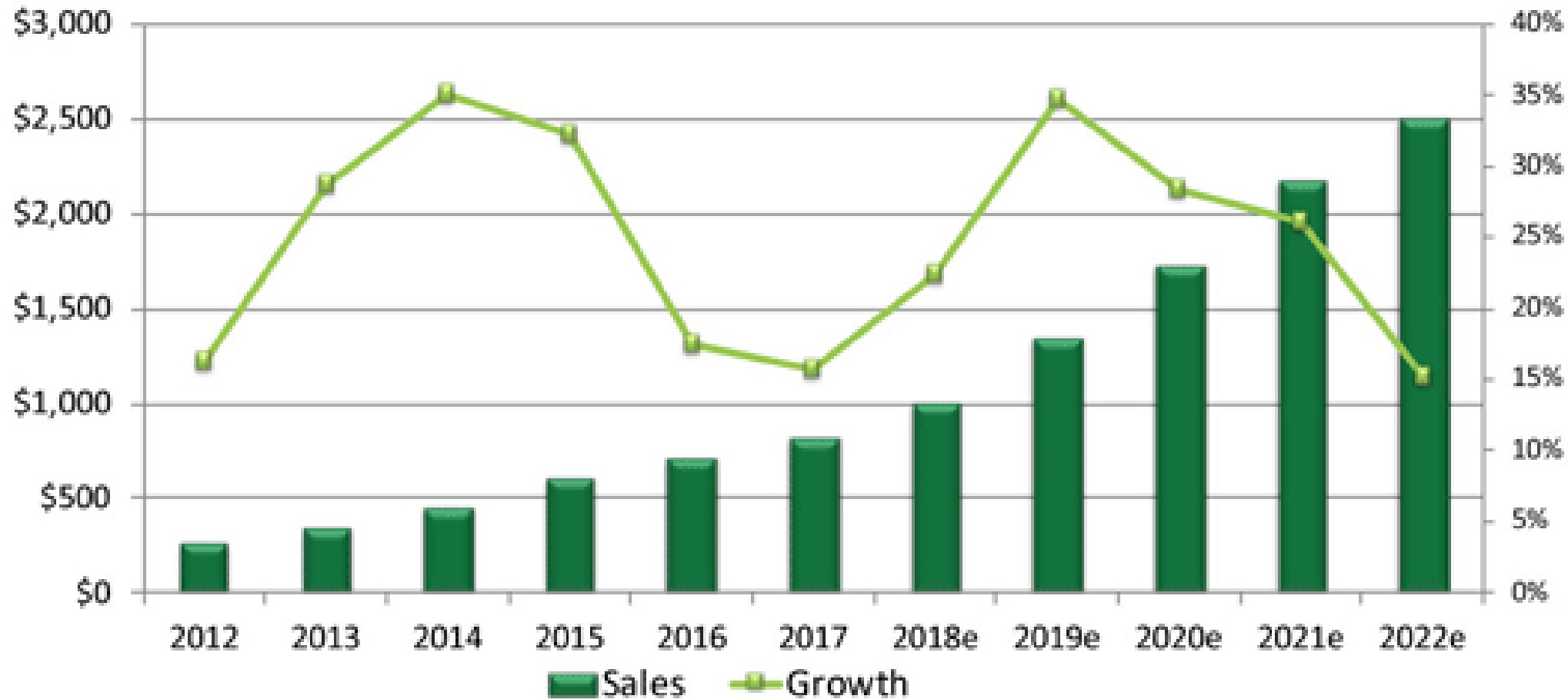
\$820 Million U.S. Hemp-Based Product Sales by Category in 2017



Source: *Hemp Business Journal* estimates (\$mil., consumer sales)



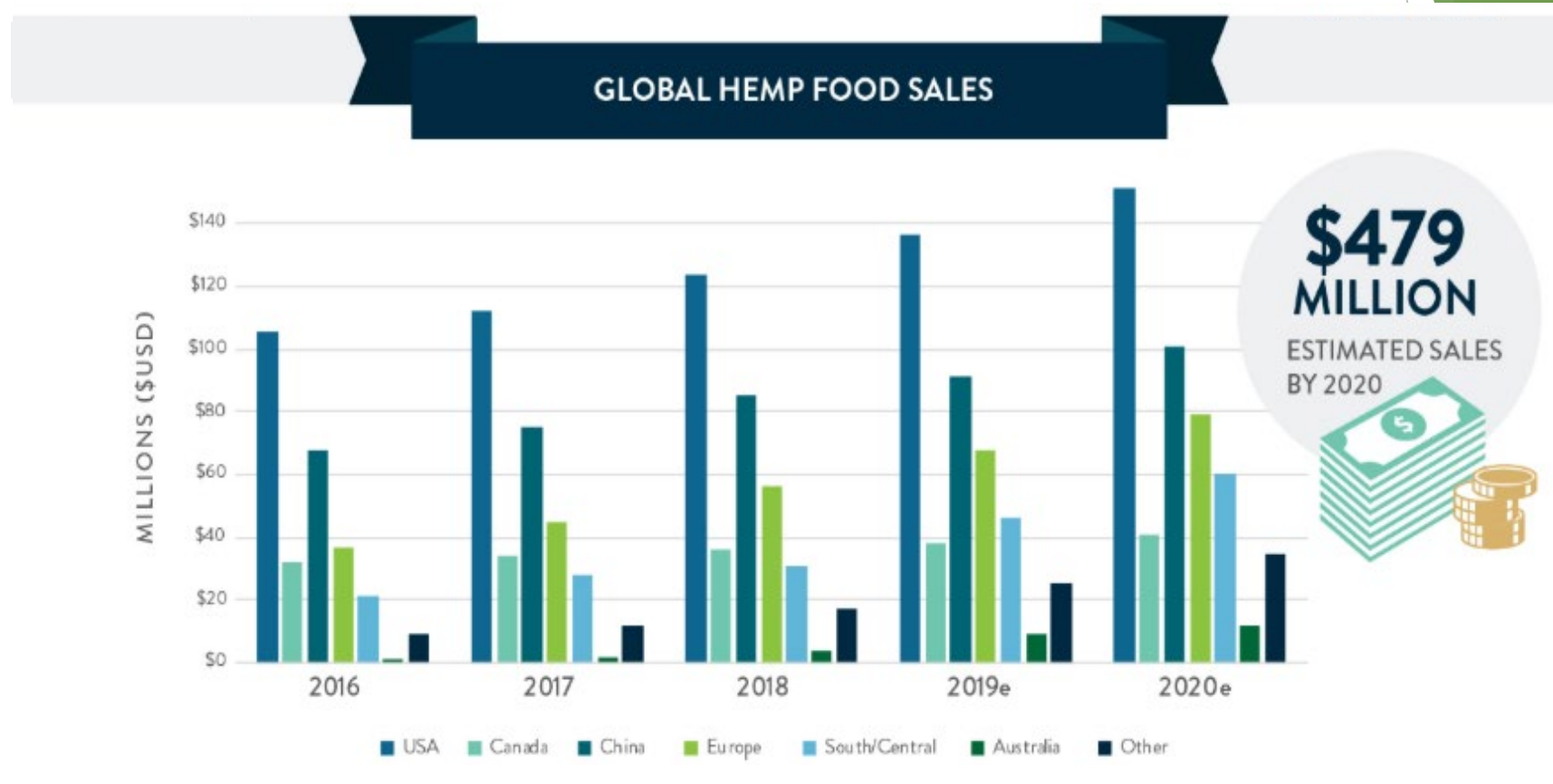
U.S. Hemp-Based Products Sales, 2012-2022e



Source: *Hemp Business Journal* estimates (\$ mil., consumer sales)



Hemp Market Outlook



Between 2018-2020, global hemp-infused foods are forecast to grow 46%, from \$353 million to \$479 million.

The U.S. will lead, reaching \$151 million by 2020, followed by China (\$101 million) and Europe (\$79 million).

Beware of Unknown Challenges!



RESOURCES



Resources - Planting Seed

- ▶ Grain/Fiber Seed Costs in 2021 were \$4.25/lb FOB Hastings, MN
- ▶ Grain Seeding Rate 30 lb/acre (\$120/acre) **Organic Recommend 35#
- ▶ Fiber Seeding Rate 35-40 lb/acre

GRAIN CERTIFIED VARIETIES (Genetics are very important!)

- ▶ Hemp Genetics International - <http://www.hempgeneticsinternational.com/>
 - ▶ CRS-1 - Tallest, viable for grain or fiber.
 - ▶ CFX-2 - Medium Stature. High Yielding
 - ▶ Katani - Shortest. High Yielding. Slightly faster emergence (**Organic benefit).

***MHF is a distributor



Resources - General

- ▶ Canadian Hemp Trade Alliance
 - ▶ eGuide <http://www.hemptrade.ca/>
- ▶ Minnesota Department of Ag Hemp Program
 - ▶ <https://www.mda.state.mn.us/plants/hemp>
- ▶ Minnesota Hemp Farms, Inc. -
 - ▶ www.mnhempfarms.com
 - ▶ www.facebook.com/mnhempfarms
- ▶ Hemp Genetics International
 - ▶ <http://www.hempgeneticsinternational.com/>
- ▶ Hemp Industries Association <https://thehia.org/>
- ▶ National Hemp Association <https://nationalhempassociation.org/>
- ▶ NoCo Hemp Expo <https://noco hempexpo.com/>



MINNESOTA HEMP FARMS

HOW TO CONTACT US:

John Strohfus

612.268.0991

john@mnhempfarms.com

mnhempfarms.com

Facebook: www.facebook.com/mnhempfarms





LOCALLY OWNED AND OPERATED IN HASTINGS, MINNESOTA

Jeremy Saueressig
Owner/Operator



FARMING | PROCESSING | PRIVATE LABELING

At SporoBio, we believe the farmer is at the root of the business. Our commitment to educate and empower our farming partners will result in the highest quality and quantity products, yielding the best return for the farmer and the best products for our clients and their consumers. Whether our products are used for human use, and/or animal consumption, we will strive to provide the highest quality products on the planet.

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PRIVATE LABELING

RESEARCH & DEVELOPMENT

- Capable of making test batches
- Ability to perform all critical testing
- Internal & 3rd party testing

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- 1,000s of customizable formulations

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Pharmaceutical Grade
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Particle Size	Nanometer
Base Ingredients	CBD Isolate, THC free
Concentration	15% cannabinoid by weight
Color	Snow White
THC Range	0% THC
Packaging	Plastic tubs or lid lock buckets
Quantity	Kilograms
Shelf Time	24 Month retest



OUR PROMISE

JEREMY.SAUERESSIG@SPOROBIO.COM

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