

ADAPTED FROM A VERSION BY RURAL INDUSTRIES RESEARCH & DEVELOPMENT CORPORATION, ACT AUSTRALIA

THE NZHIA

# iHEMP

DISCOVERY & INVESTMENT

# TOUR 2022

FOOD • FIBRE • HEALTH



THAMES/  
COROMANDEL

Exploring hemp's  
economic and  
sustainability potential:  
**Focus for the Thames &  
Coromandel region**

SPONSORED BY:

**AGMARDT**



Thames War Memorial Civic Centre

Wednesday 3 August 2022  
PRESENTED BY RICHARD BARGE

# SPEAKERS



**RICHARD BARGE**  
(NZHIA)

The NZHIA Chair presents a history of hemp in Aotearoa New Zealand and a new iHemp industry for Southern Waikato.



**BILL QUINN**  
(ORGANICAG)

Opportunities and differences in production and marketing of iHemp.



**DR NICK MARSH**  
(NEXT CORPORATION)

New Zealand Hemp export Driven Investor Report, unlocking the potential.

THE NZHIA

iHEMP

DISCOVERY & INVESTMENT

TOUR <sup>20</sup><sub>22</sub>

FOOD • FIBRE • HEALTH

# PROGRAM

- 7.30 Welcome
- 7.50 NZHIA Introduction and History
- 8.10 Bill Quinn OrganicAg
- 8.25 NZHIA Business plans - Why
- 9.00 Panelists Question & Answers
- Till Close

# NZ Hemp Industries Association iHemp and History



Growers and Cultivators



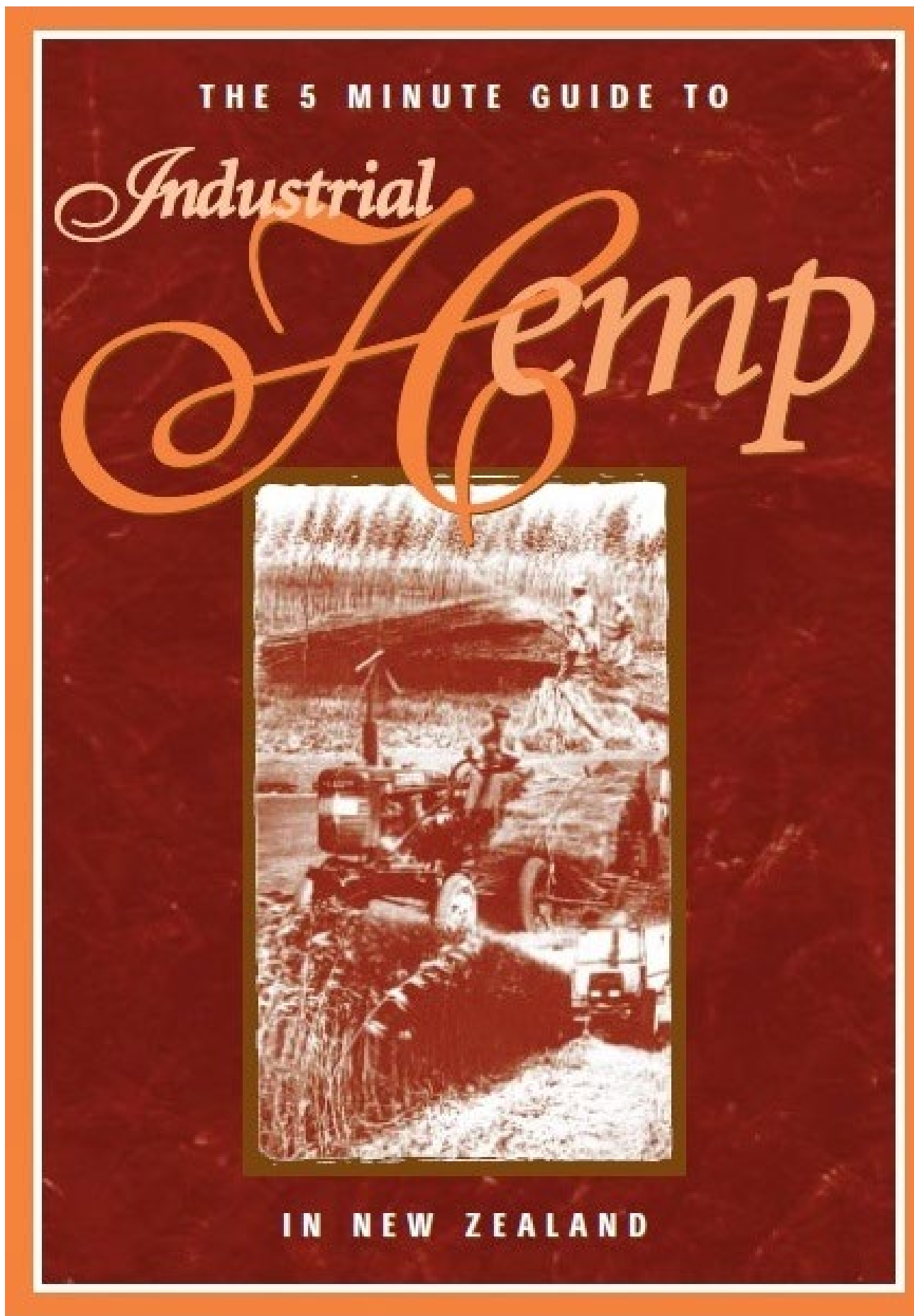
Testing and Development



Processors and Manufacturers



Distributors and Consumers



## NZ HEMP EXPORT DRIVEN INVESTOR REPORT:

\$2 BILLION AND 20,000 REGIONAL JOBS BY 2030 JUST NEEDS THE NOD...

**EUROPE** **CHINA** **INDIA** **AUSTRALIA** **NEW ZEALAND** **NORTH AMERICA** **SOUTH AMERICA**

**G R O W T H**

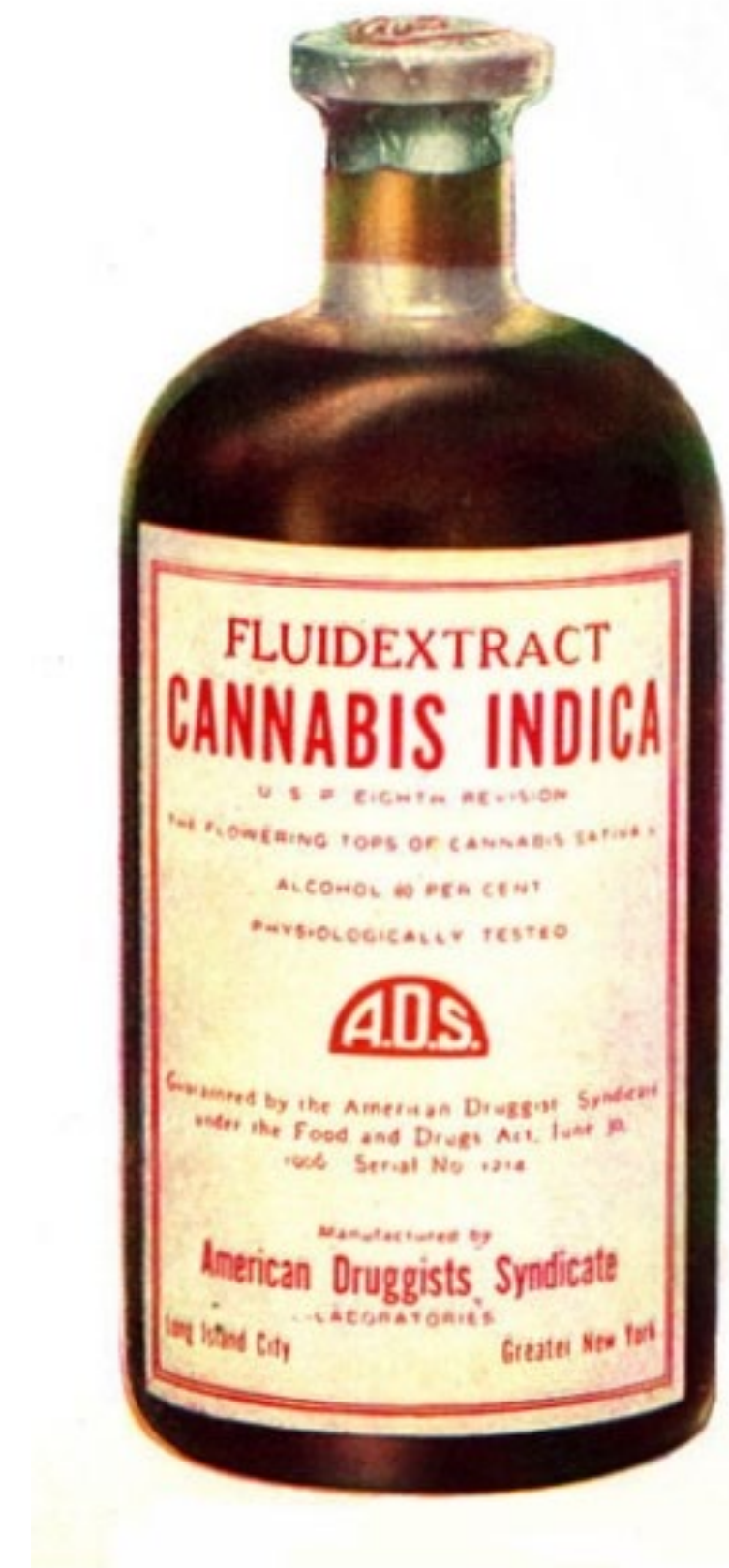
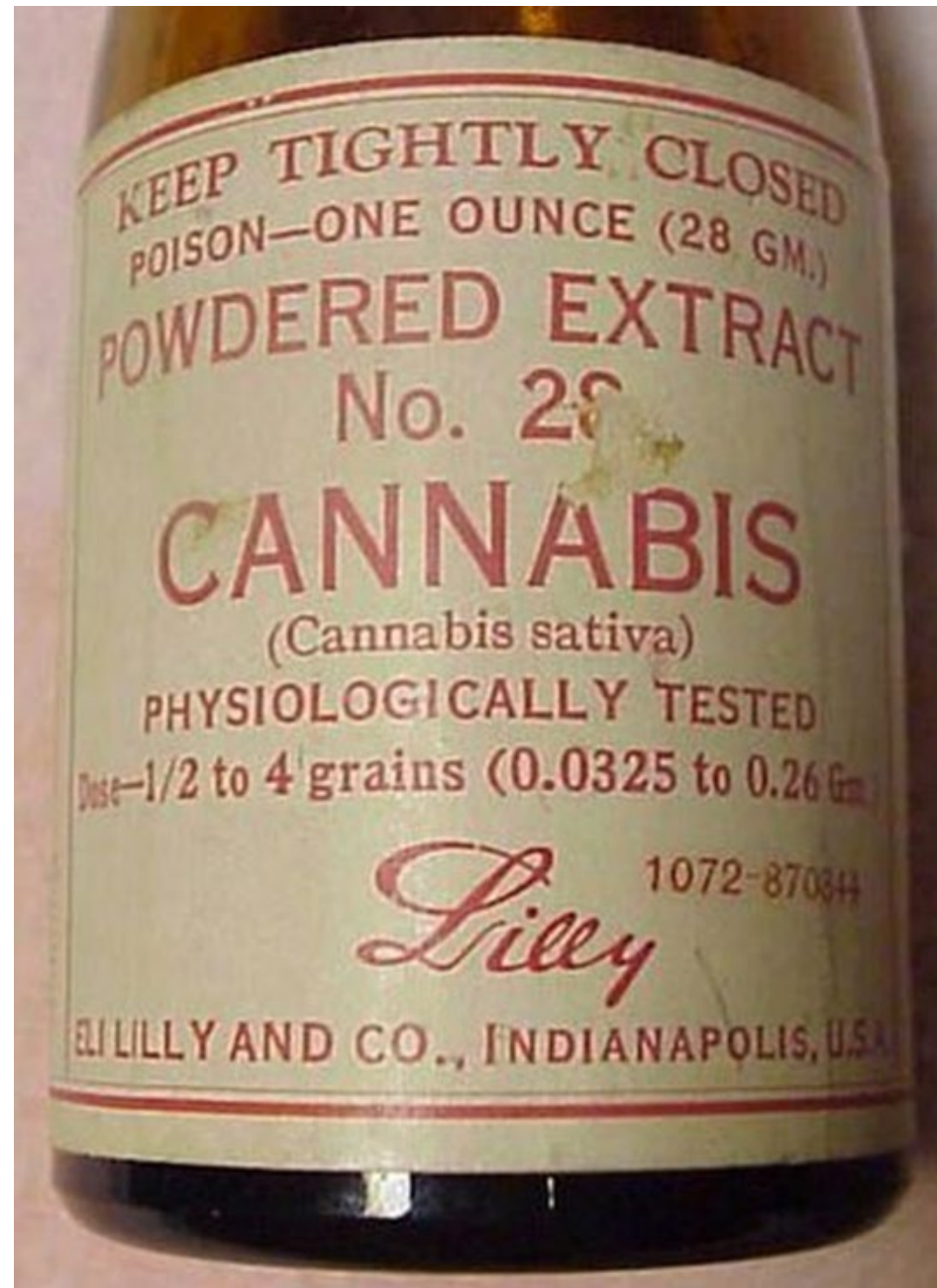
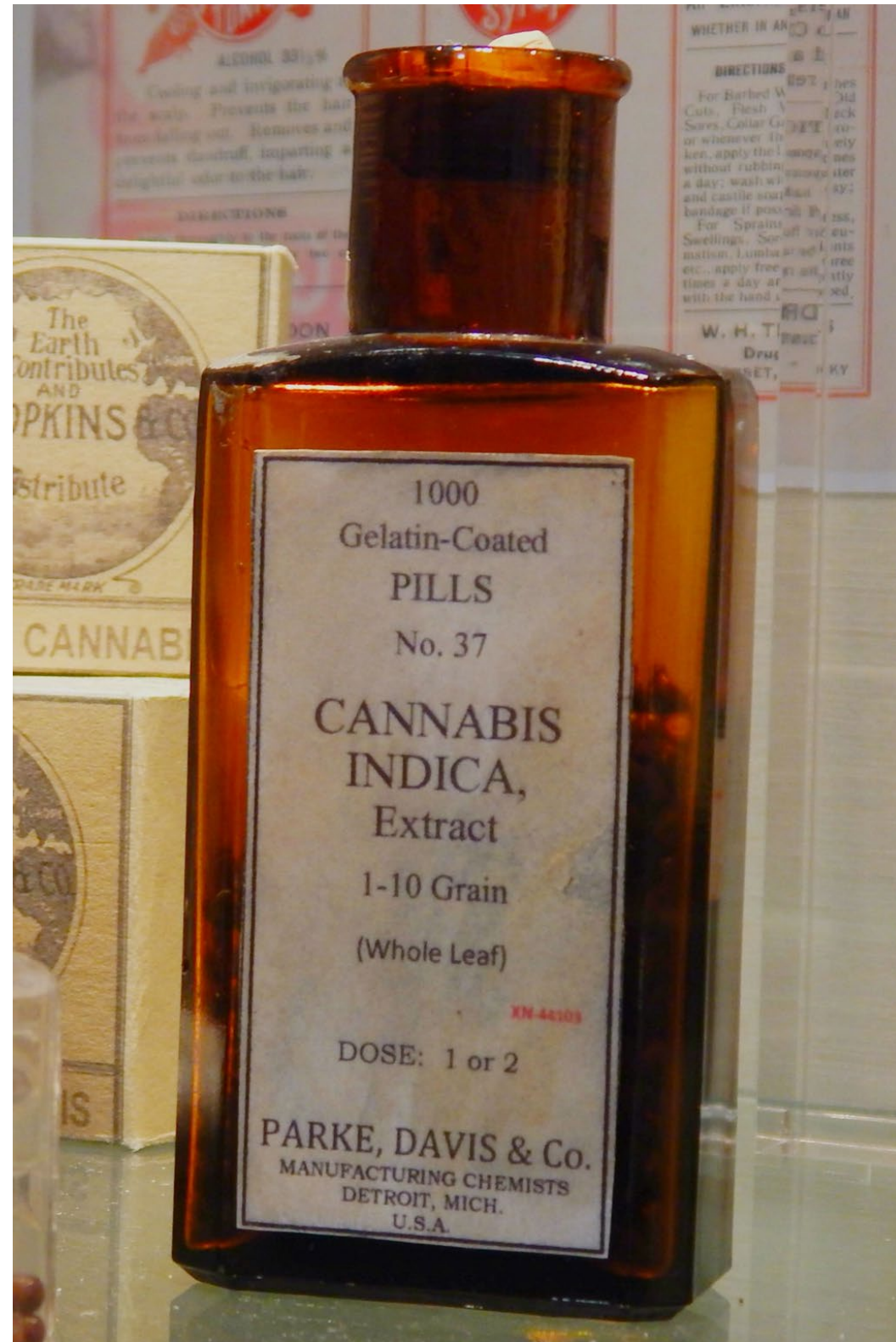
**FULL REPORT**



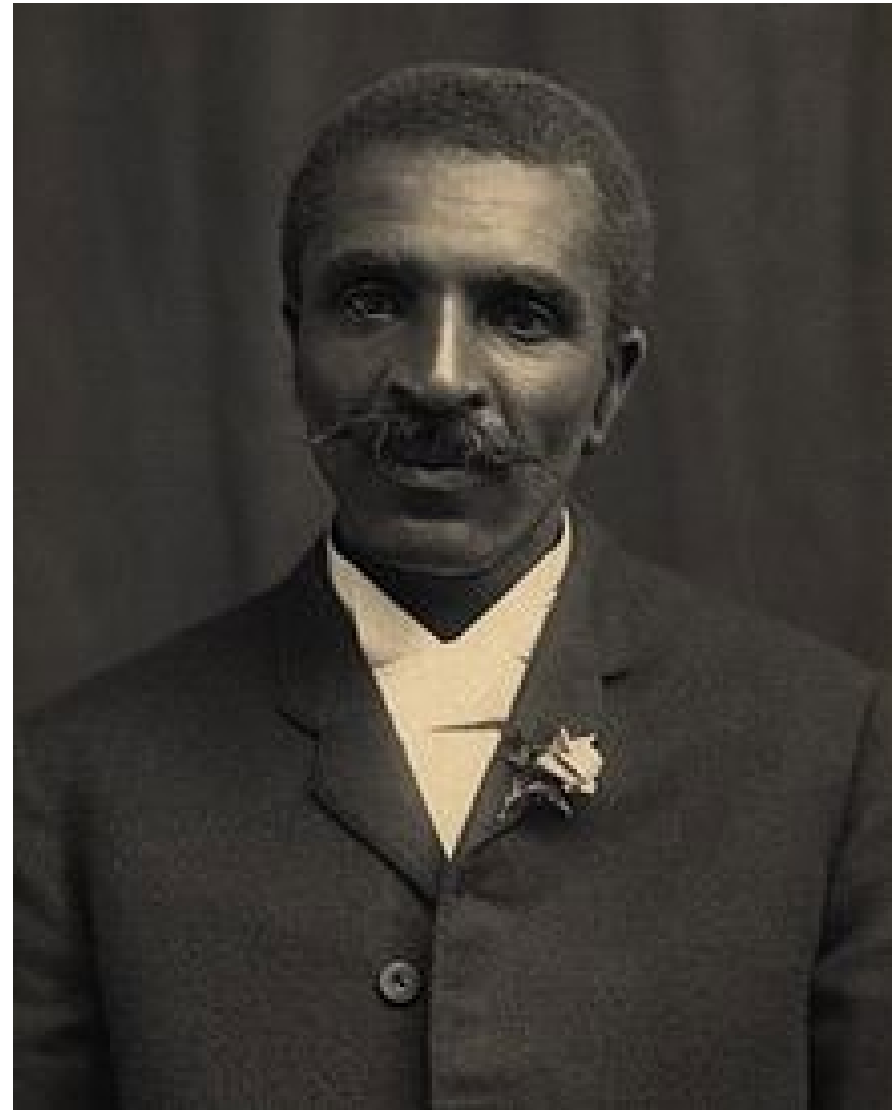








**Chemurgy** is a branch of applied chemistry that is concerned with preparing industrial products from agricultural raw materials

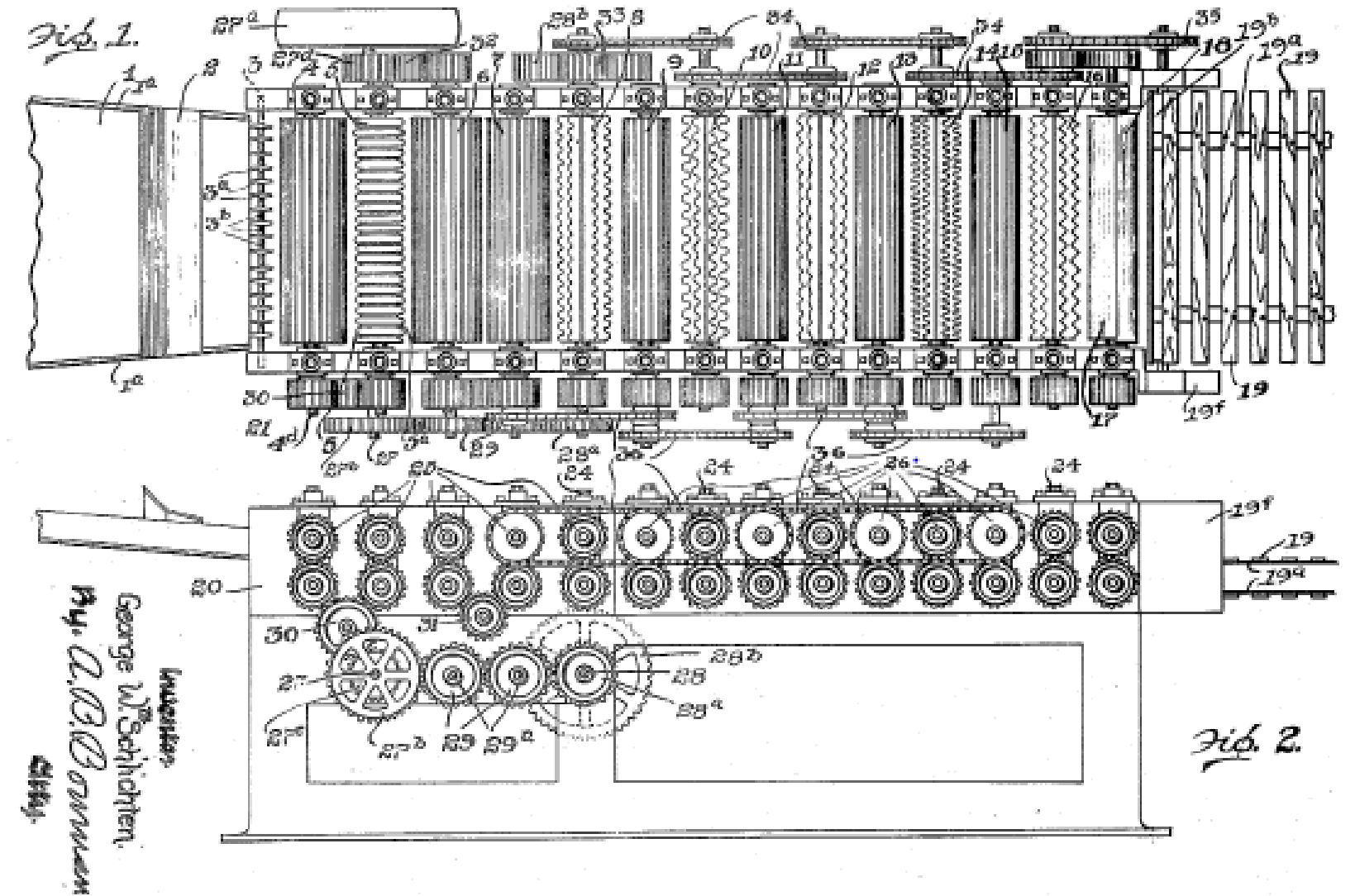
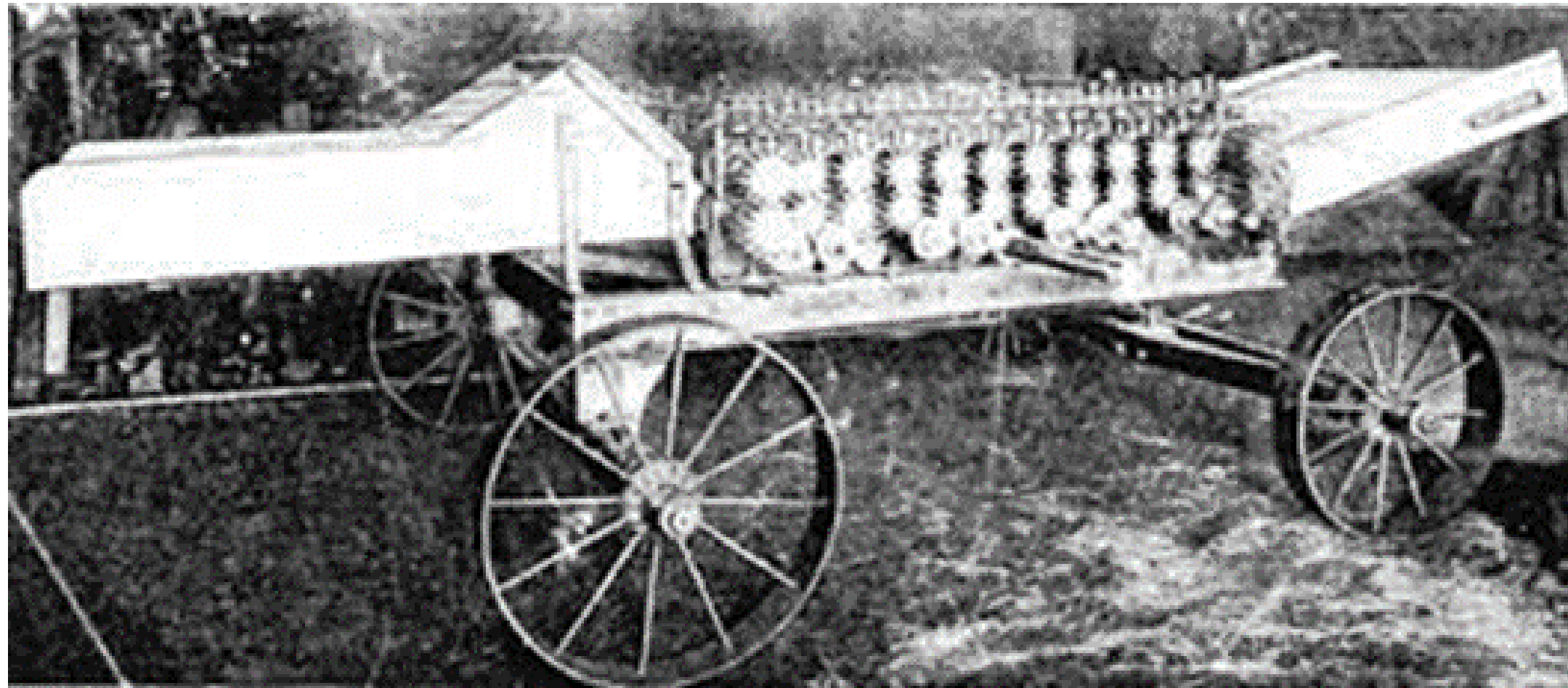


George Washington  
Carver c1910



Henry Ford c1930





G. W. SCHLICHTEN.  
MEANS FOR TREATING FIBER BEARING PLANTS.

APPLICATION FILED DEC. 27, 1916.

1,308,376.

Patented July 1, 1919.

8 SHEETS—SHEET 1.



UNITED STATES DEPARTMENT OF AGRICULTURE  
BULLETIN No. 404

Contribution from the Bureau of Plant Industry  
WM. A. TAYLOR, Chief

Washington, D. C. PROFESSIONAL PAPER October 14, 1916

HEMP HURDS AS PAPER-MAKING  
MATERIAL

By  
LYSTER H. DEWEY, Botanist in Charge of Fiber-Plant Investiga-  
tions, and JASON L. MERRILL, Paper-Plant Chemist  
Paper-Plant Investigations

This bulletin is printed on paper manufactured from hemp hurds,  
run No. 143, which is recorded on page 20

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WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1916

BILLION-DOLLAR  
CROP

petition with other-produced foreign fiber while paying farmers \$1000 a ton for hemp as it comes from the field. From the farmer's point of view, hemp is an easy crop to grow and will yield from three to six tons per acre on any land that will grow corn, wheat, or oats. It has a short growing season, so that it can be planted after other crops are in. It can be grown in any state of the union. The long roots penetrate and break the soil to leave it in perfect condition for the next year's crop. The dense stand of leaves, eight to twelve feet above the ground, shades out weeds. Two successive crops are enough to reclaim land that has been abandoned because of Catalpa thistles or scrub grass. Under old methods, hemp returned to paper about

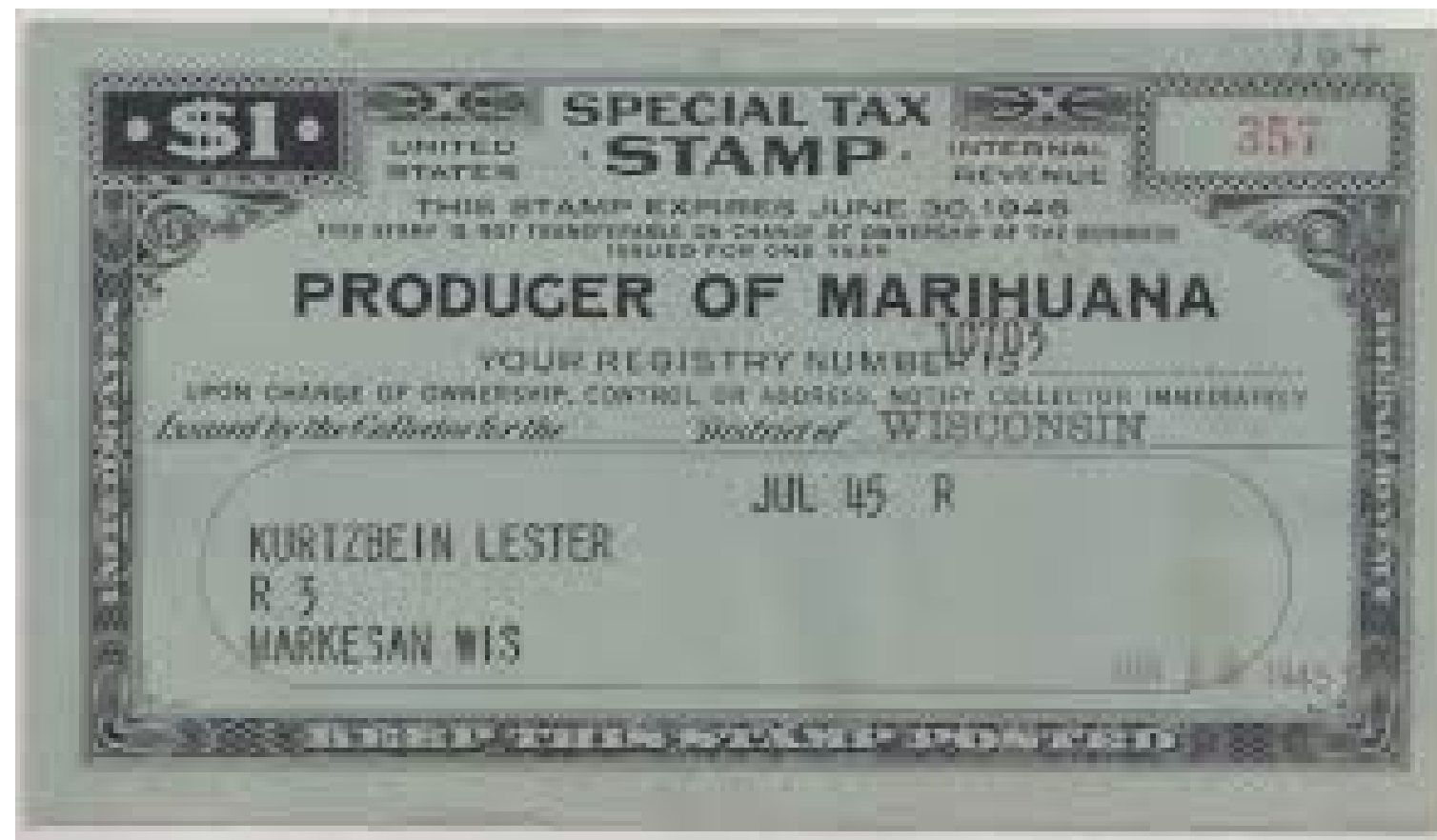
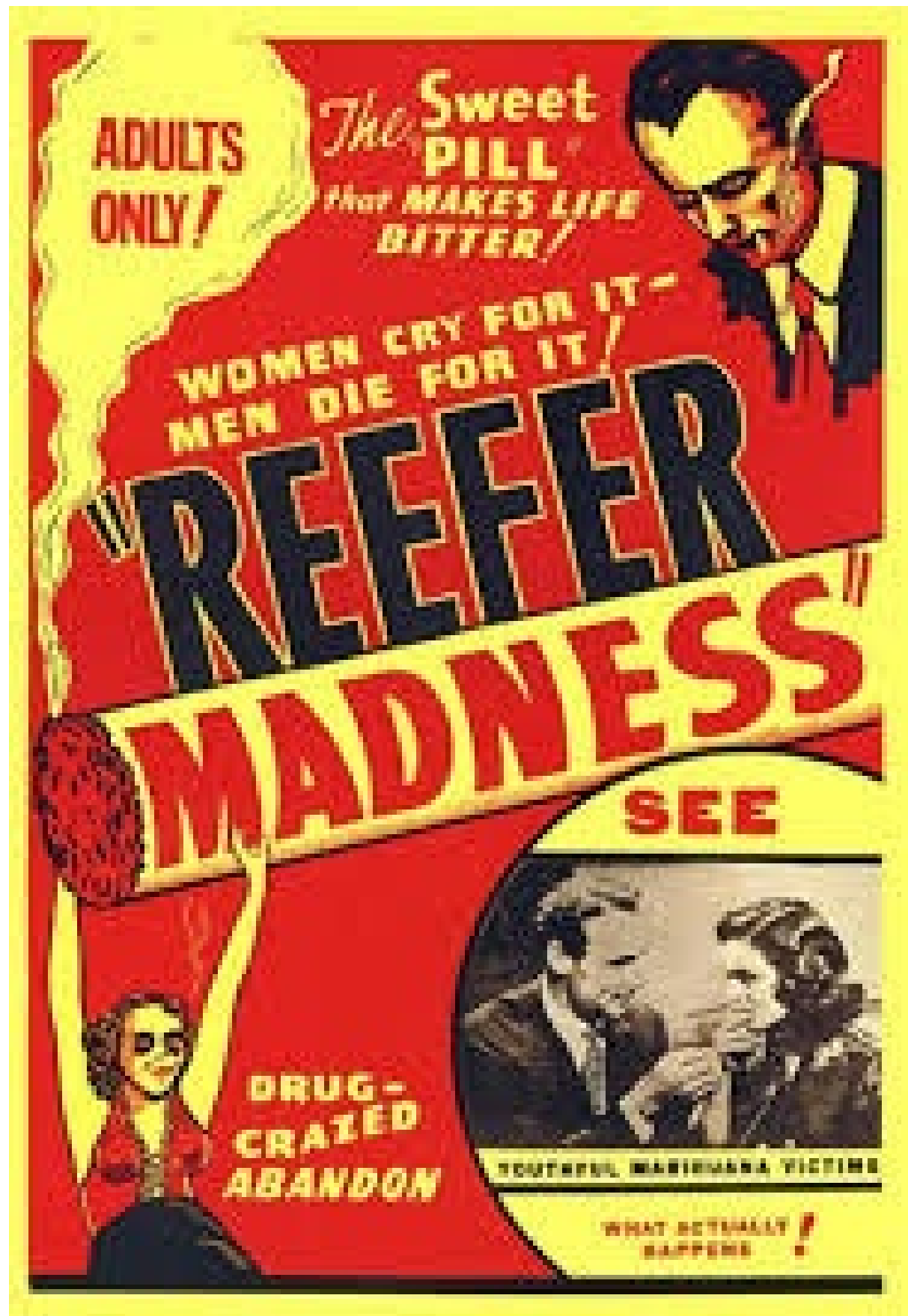


Fig. 1. Machine made of hemp fiber made from hemp. Bottom, Harvested hemp with a grade ladder. Hemp grows luxuriantly in France.



FARMERS' BULLETIN No. 1935  
U. S. DEPARTMENT OF AGRICULTURE







*All the hempseed available in the U. S. is stacked in this Kentucky warehouse under armed guard. Next year, USDA hopes, there'll be enough to grow 350,000 acres.*

Photo: U.S.D.A. by Forney/Re

**The Humorous Hemp Primer**

The cover shows the male plant eager to pollenate the willing female.

Prim  
impo  
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form  
doub  
hemp  
the n

HERER - BROCKERS - KATALYSE  
DIE WIEDERENTDECKUNG  
DER NUTZPFLANZE  
CANNABIS MARIHUANA

# Hanf

EINE DER ÄLTESTEN KULTURPFLANZEN DER ERDE KÖNNTE HELFEN, DIE MENSCHEN AUSREICHEND MIT KLEIDUNG, PAPIER, ÖL, BRENNSTOFF, NAHRUNG, BAUMATERIAL UND VIELEN MEDIZINEN ZU VERSORGEN

ZWEITAUSENDEINS

Reich  
Nutri

The  
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**The Lustrous HempFiber**

film "Hem  
that Germ  
effort to  
productio  
World W  
"The H  
is reprod  
with Eng  
Steinhau



SINGLE CONVENTION  
ON  
NARCOTIC DRUGS, 1961,

as amended by  
the 1972 Protocol Amending the Single Convention  
on Narcotic Drugs, 1961



*Article 28. Control of cannabis*

1. If a Party permits the cultivation of the cannabis plant for the production of cannabis or cannabis resin, it shall apply thereto the system of controls as provided in article 23 respecting the control of the opium poppy.
2. This Convention shall not apply to the cultivation of the cannabis plant exclusively for industrial purposes (fibre and seed) or horticultural purposes.
3. The Parties shall adopt such measures as may be necessary to prevent the misuse of, and illicit traffic in, the leaves of the cannabis plant.



# Misuse of Drugs (Industrial Hemp) Regulations 2006

(SR 2006/163)

## 3 Object

The object of these regulations is to enable the cultivation and distribution of industrial hemp under a licensing regime that ensures that other forms of cannabis are not cultivated and distributed under the guise of industrial hemp.





**hemp** means cannabis plant, seed, or fruit

**hemp product** means—

- (a) a product of a kind that is derived, in whole or in part, from industrial hemp; and
- (b) a hemp seed food product

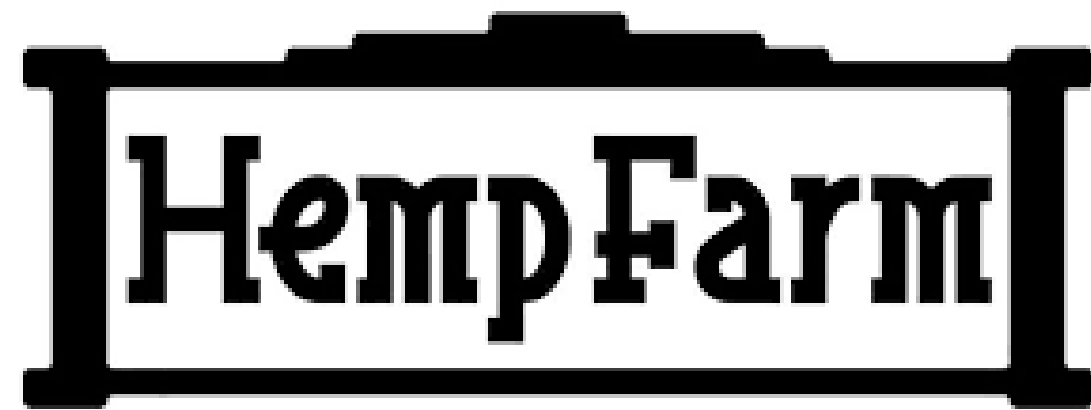
**hemp seed food product** means a hemp seed food product declared to be food by regulations made under the Food Act 2014

**industrial hemp** means hemp in the form of—

- (a) plants with a THC content that is—
  - (i) generally below 0.35%; and
  - (ii) is not above 0.5%; or
- (b) seeds harvested from plants of that kind

**THC content**, in relation to a hemp plant, means the content of delta 9-tetrahydrocannabinol and delta 9-tetrahydrocannabinolic acid of the plant expressed as a percentage of the dry weight of the plant





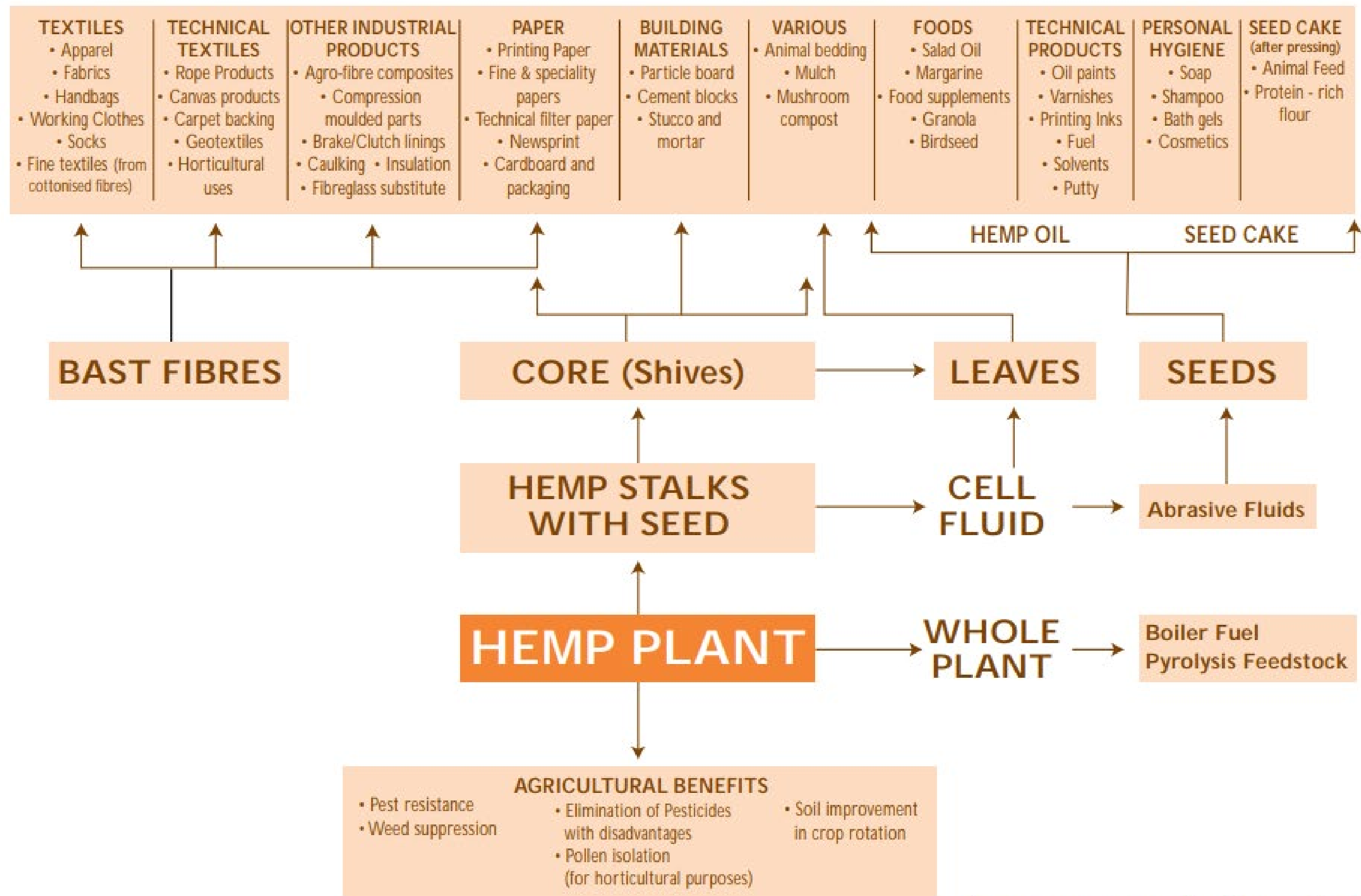
[hempfarm.co.nz](http://hempfarm.co.nz)





Hemp Construction Materials





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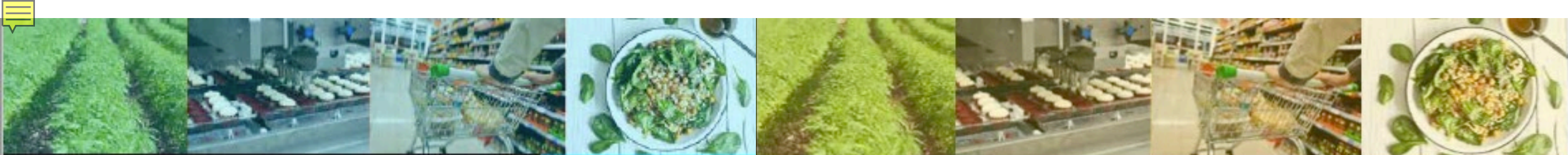
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# NZ HEMP EXPORT DRIVEN INVESTOR REPORT:

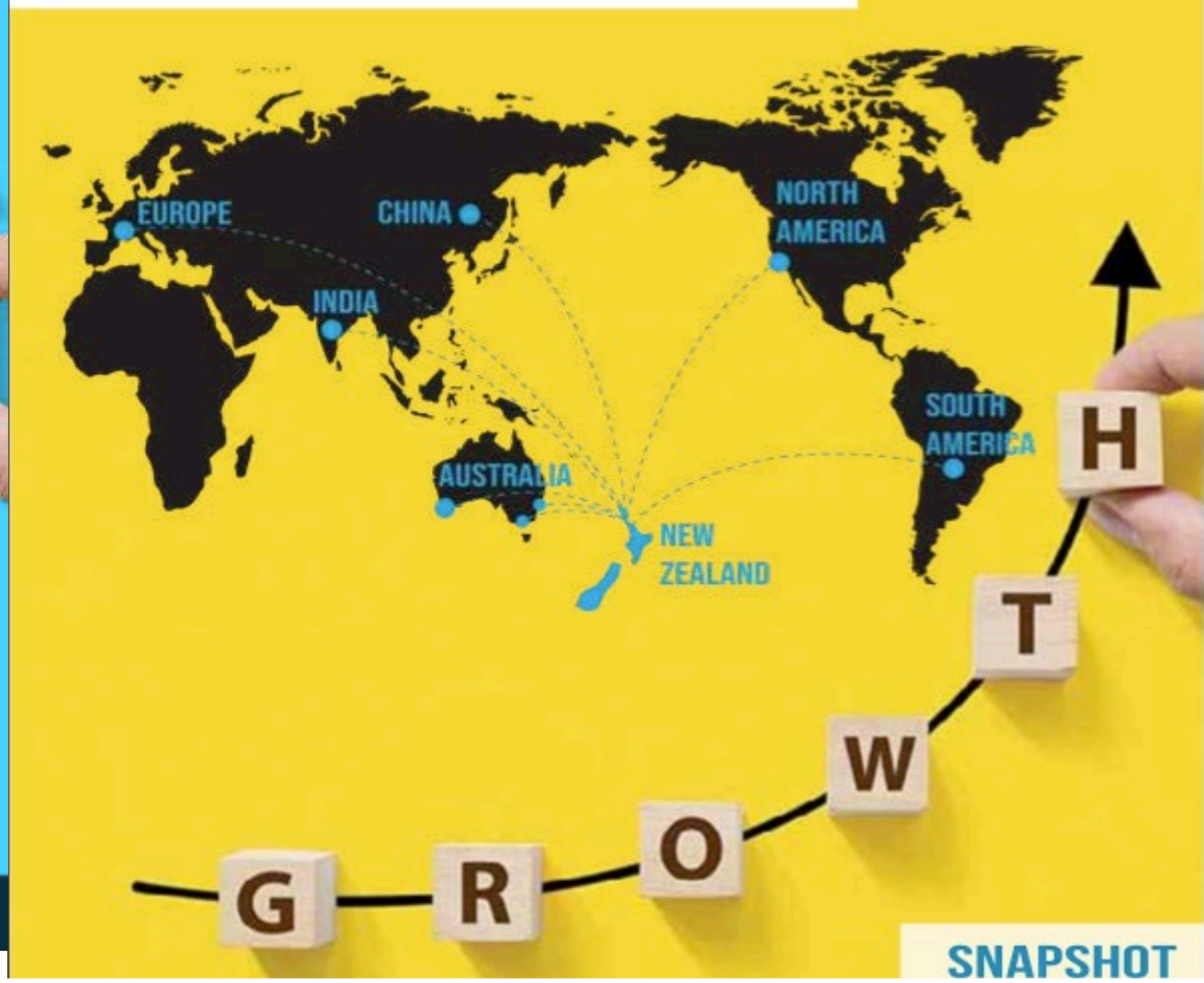
\$2 BILLION AND 20,000 REGIONAL JOBS BY 2030 JUST NEEDS THE NOD...



FULL REPORT

# NZ HEMP EXPORT DRIVEN INVESTOR SNAPSHOT

\$2 BILLION AND 20,000 REGIONAL JOBS BY 2030 JUST NEEDS THE NOD...



SNAPSHOT



Dr Nick Marsh, Author



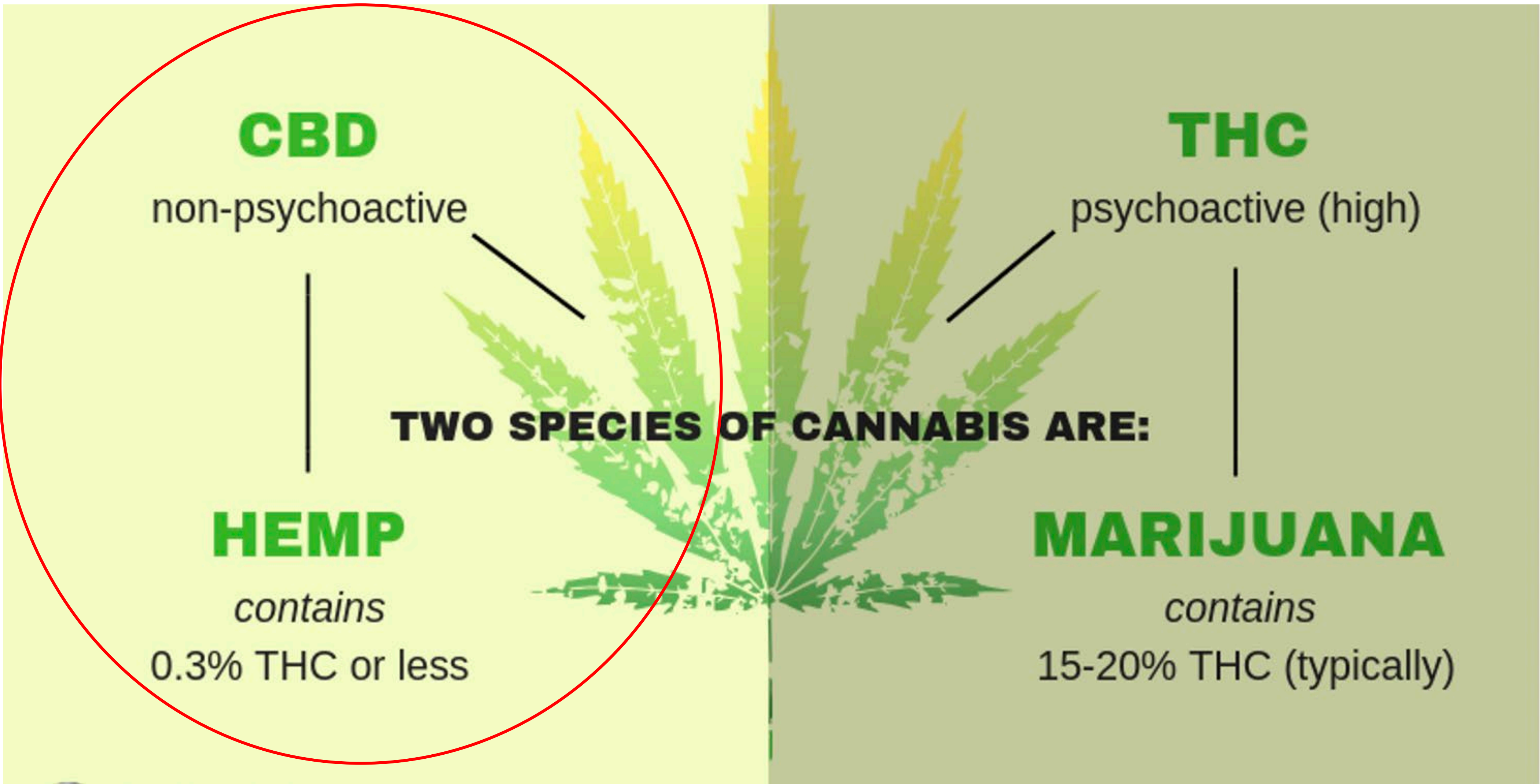
# NZIHIA

Food. Fibre. Health.

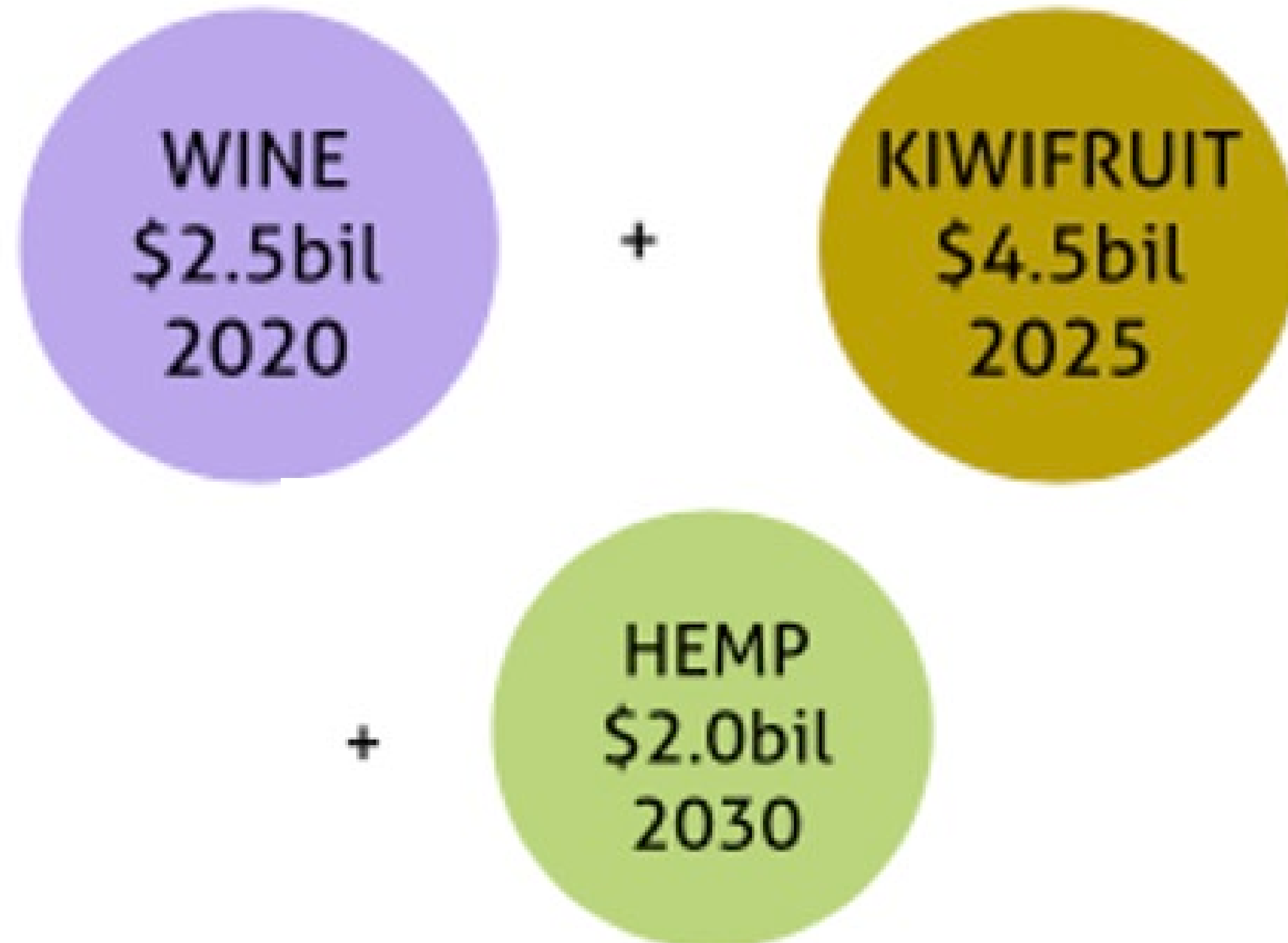
## New Zealand Hemp Industries Association

Promoting the Economic, Environmental, Health and Social Benefits of the NZ Hemp Industry

# What is the difference between Hemp and Marijuana?

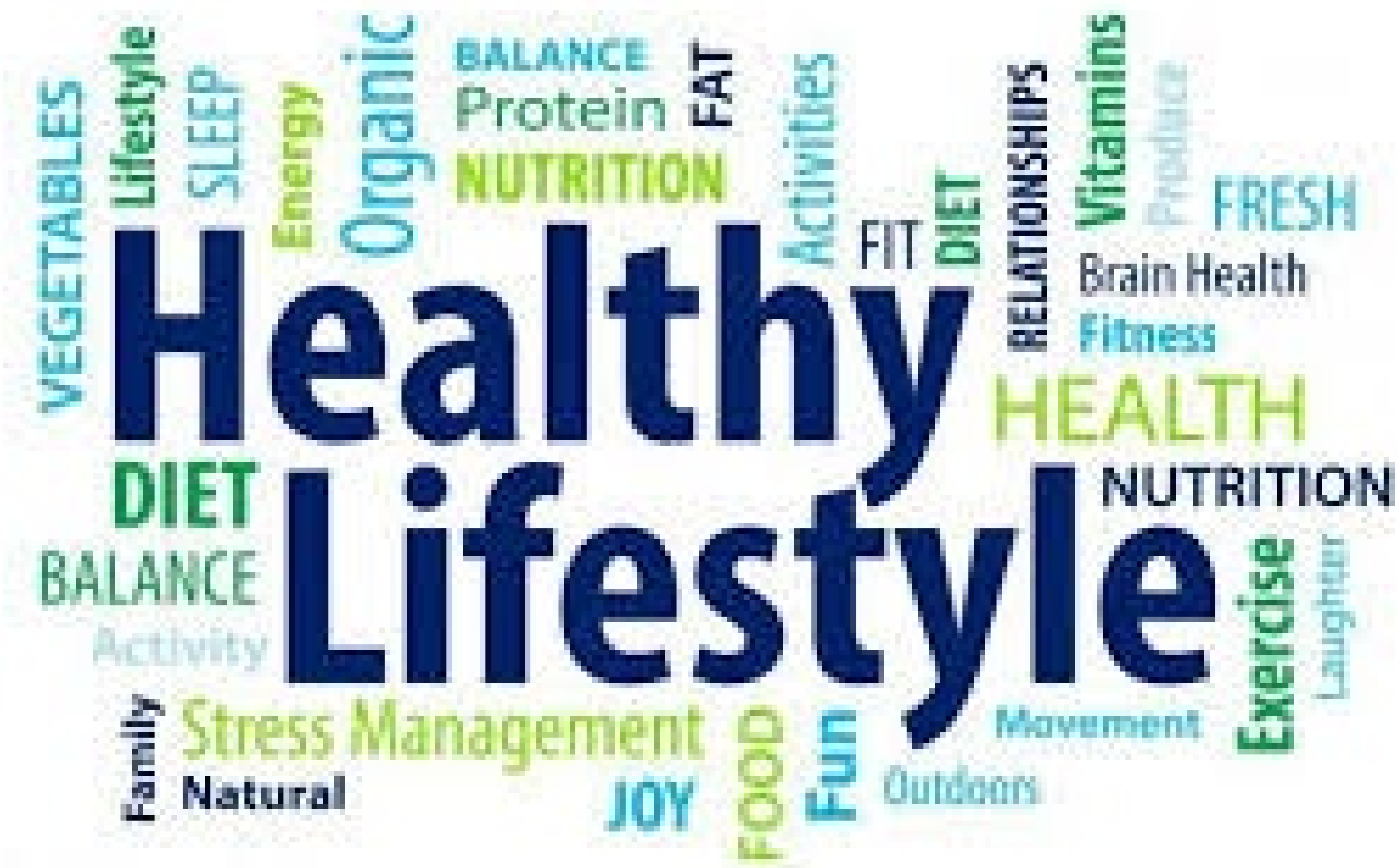


Regional Hemp can be the next Export led 'Wine Industry'  
-just needs the nod





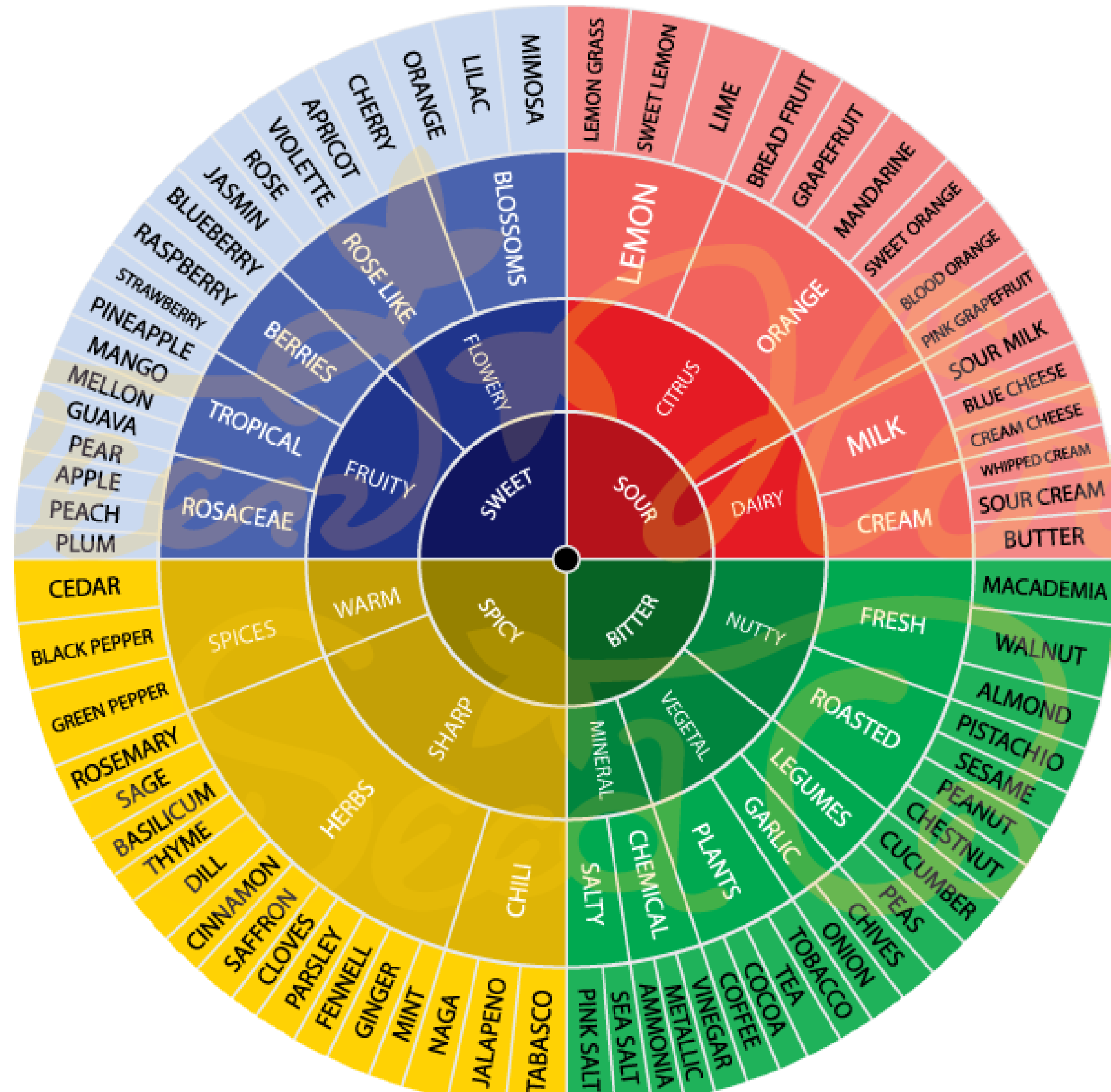
# Global Consumer Demand is Driving Hemp Growth



# The CANNABINOIDS Opportunity



# The TERPENES Opportunity



# Like Wine, the Hemp economy has taken off in the regions



PLANT BASED

BEEFY GREEN NZ

NZ Yarn

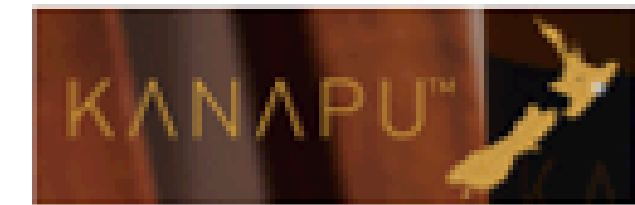
HEMP  
*healthy happy hemp*

HOPEFIELD HEMP  
*harvest to health*

EM'S  
POWER COOKIES



Hemp Farm



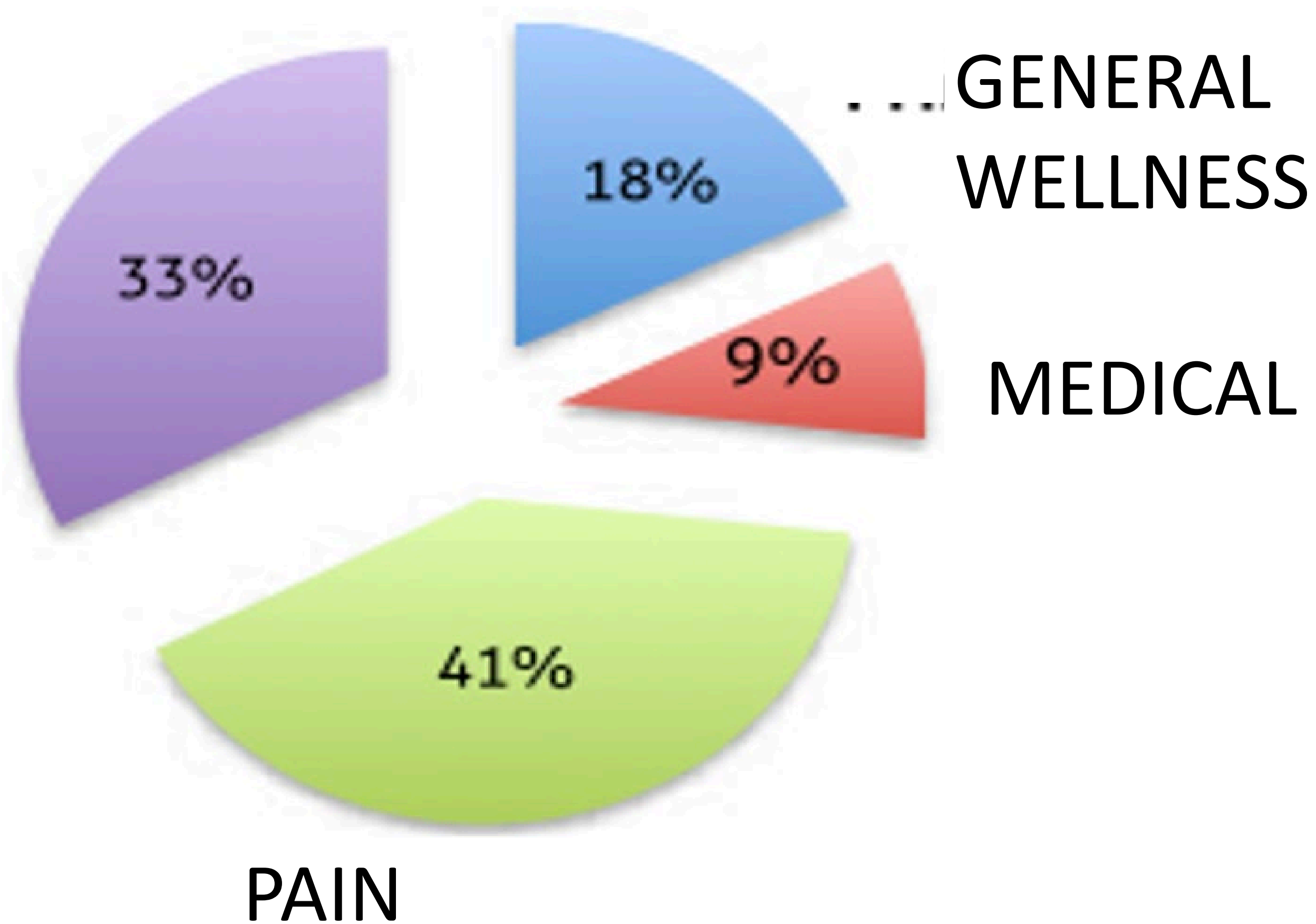
KOE KOEA



# CBD Nutraceuticals dominate the Global Market

- US \$1.2 billion+ in N America market

ANXIETY  
+ STRESS



# NUTRACEUTICALS- No Prescription needed

## THE GROWTH SPACE FOR NUTRACEUTICALS BETWEEN FOOD AND MEDICINE

### INDUSTRIAL HEMP INDUSTRY

**FOODS WITH STRONG NUTRITIONAL HEALTH RELATED LINKS**

- Raw Hulled Hemp Seeds*
- Hemp Seed Oil*
- Hemp Protein Powder*
- Hemp Milk*

**FUNCTIONAL FOODS/ INGREDIENTS**

- Hemp Protein Powder*
- Hemp Snacks*
- Hemp Flour*
- Hemp Skin Balms*

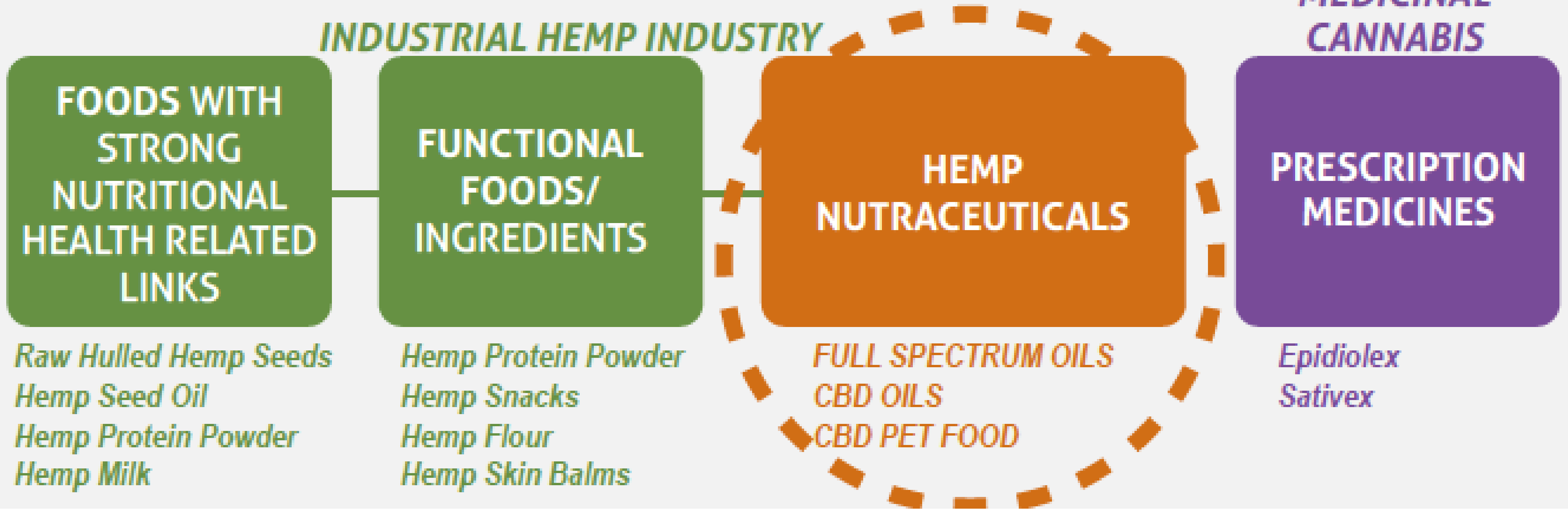
**HEMP NUTRACEUTICALS**

- FULL SPECTRUM OILS*
- CBD OILS*
- CBD PET FOOD*

**PRESCRIPTION MEDICINES**

- Epidiolex*
- Sativex*

### MEDICINAL CANNABIS





But in NZ and Australia :

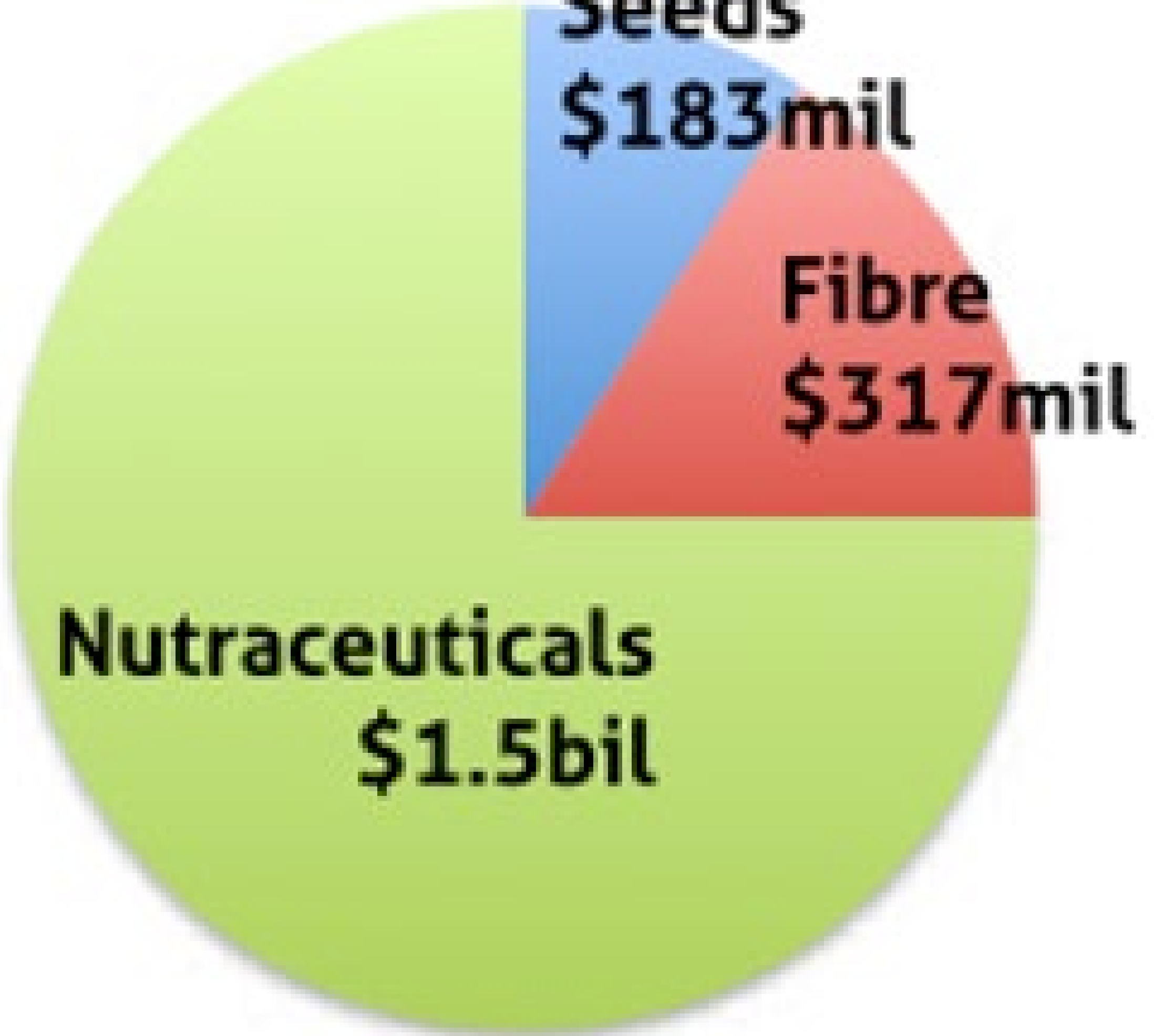
- All CBD nutraceuticals are illegal except with a doctors prescription
- So we have (temporarily) cut ourselves out of the fastest growth hemp market in the world



# GROWTH SCENARIO

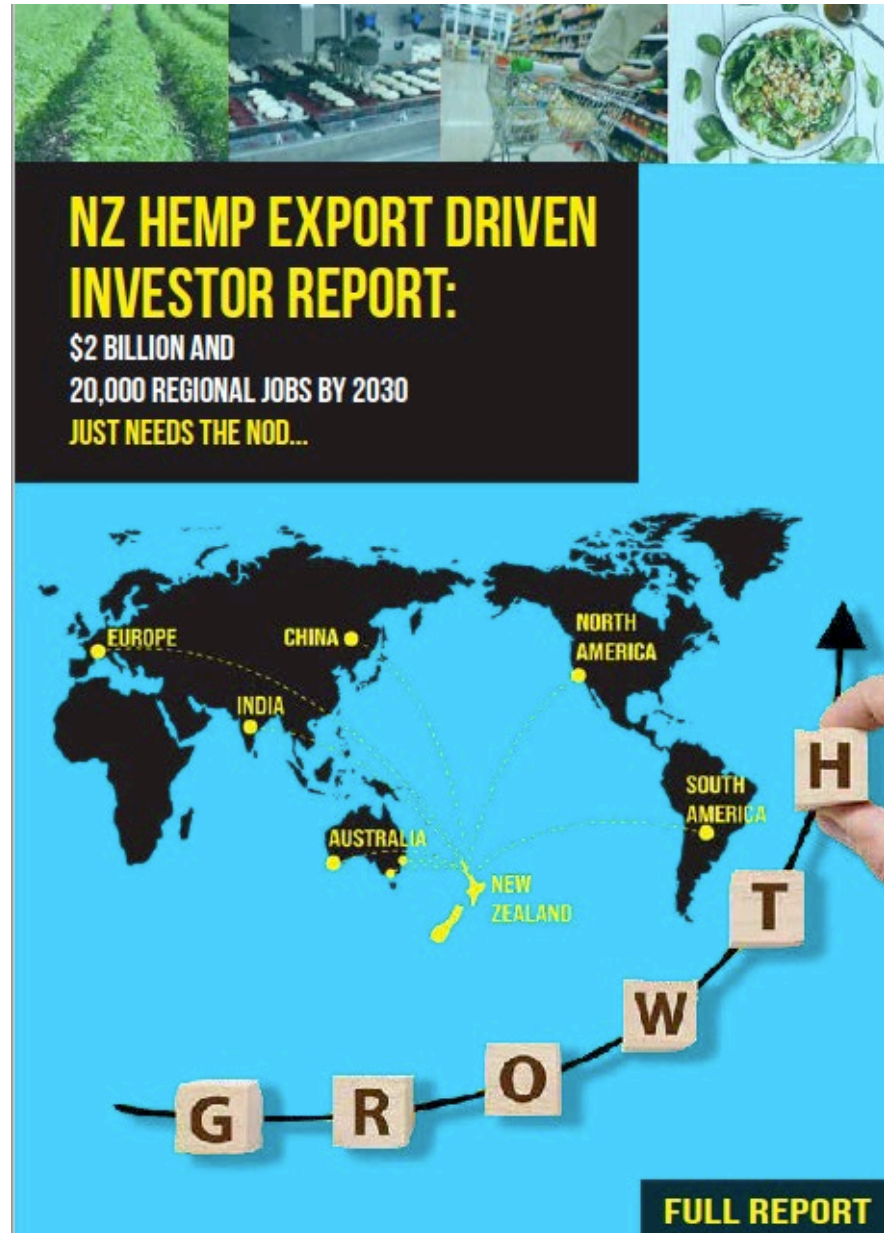
Total \$2 billion

20,000 Jobs





# The NZ Hemp Reports



*REPORT DOWNLOADS:*

FULL REPORT

<https://joom.ag/attC>

SNAPSHOT SHORT REPORT

<https://joom.ag/oSiC>

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<https://www.linkedin.com/in/dr-nick-marsh-3b3109>

*e Mail:*

Nick.marsh@nextcorporation.net

Mobile:

(64) 021617267

Website:

[Www.nextcorporation.net](http://www.nextcorporation.net)

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# Opportunities and differences in production and marketing of

# iHemp.

Bill Quinn  
OrganicAg.



**2018 crop Manawatu.  
Grown using organic compliant  
systems/inputs.**





www.sativabotanicals.co.nz  
sativa botanicals  
**HEMP HEARTS**  
FROM THE HEART OF THE HEMP SEED  
200g

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**HEMP HEART PROTEIN+**  
HIGHEST QUALITY PLANT-BASED PROTEIN  
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POWDER ON

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RICH IN ESSENTIAL AMINO ACIDS & OMEGA-3  
MADE IN NEW ZEALAND. OUR SEEDS GROW GREEN.

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**HEMP SEED OIL**

sativa botanicals  
**HEMP SUPER CREAM**  
sativa botanicals  
**FRESH COMPLEXION TEA**

sativa botanicals  
sativa botanicals  
sativa botanicals

sativa botanicals  
MADE IN NZ. OUR SEEDS GROW GREEN.  
THE SEEDS GROW GREEN.





**NIMBIN HEMP EMBASSY**  
hempembassy.net We are not criminals 0266891842

NIMBIN ARTISTS GALLERY

PROPTIO

NIMBIN HEMP ENBA  
INFOR  
& EDI

HEMST  
EMBASSY



**iHemp seed less cold pressed oil equals iHemp seed-cake (husk in)**







**KANAPU**  
PREMIUM PRODUCE FOR OLIVARIAN ARTISANS  
12 x 250ml  
6.2kg gross  
THIS WAY UP

**KANAPU**  
AGILE  
PREMIUM PRODUCE FOR OLIVARIAN ARTISANS  
12 x 250ml  
6.2kg gross  
THIS WAY UP

**KANAPU**  
HEMP SEED FLAKES  
UNTOASTED RAW SEEDS  
PRODUCT OF NEW ZEALAND

# Hemp comes in from the cold

A Kennedy Island crop is today winning converts among Kiwi farmers, reports **Jamie Gray**



People think an industry is an established set of traditions or skills that have been passed down for generations. It's a way of life that is hard to change. But in the world of hemp, things are different. The industry is still in its infancy, and it's a world of change. The current generation of farmers is looking for new ways to grow and process hemp. They are looking for ways to make a living out of it. The current generation of farmers is looking for new ways to grow and process hemp. They are looking for ways to make a living out of it.

## A \$2b local industry



The hemp industry is a multi-billion dollar industry. It's a growing industry. The hemp industry is a multi-billion dollar industry. It's a growing industry. The hemp industry is a multi-billion dollar industry. It's a growing industry.



It's not really through the process of it being something new. It's just something that has been rediscovered.

The hemp industry is a multi-billion dollar industry. It's a growing industry. The hemp industry is a multi-billion dollar industry. It's a growing industry.



Pellets





## Hemp Board ~ The Superior Particle Board for the 21st Century

Ecoteam Hemp Board is a type of particle board which is manufactured predominantly from Cannabis hemp hurd fibre. A thin surface of recycled wood gives it a fine finish and additional structure. Ecoteam Hemp Board represents a superior sustainable substitute for conventional particle board with many advantageous properties.

**Look at these advantages**



### ✓ **Lightweight & Strong**

It's lighter but stronger than most conventional particle boards and medium density fibreboards. The density ranges from 450 kg/m<sup>3</sup> to 490 kg/m<sup>3</sup> which is around 1/2 to 3/4 the density of wood-based particle board.

### ✓ **Water and mould resistant**

It can withstand weeks of complete immersion in water with negligible loss of structural integrity, edge disintegration and minimal swelling. Hemp particle board dries back to the original dimensions, and is not prone to mould.

### ✓ **Excellent insulation properties**

It has excellent thermal and acoustic insulation properties, reducing or mitigating the need for additional insulation materials. The thicker the board, the better the insulation properties.

### ✓ **Sustainable building product**

It's composed predominantly of hemp fibres, and contains a surface of recycled wood fibre (sawmill waste) which adds a fine finish and additional structural properties. Hemp is a source of low-impact renewable fibre.

See us at the Sustainable Living Expo ~ Site 24

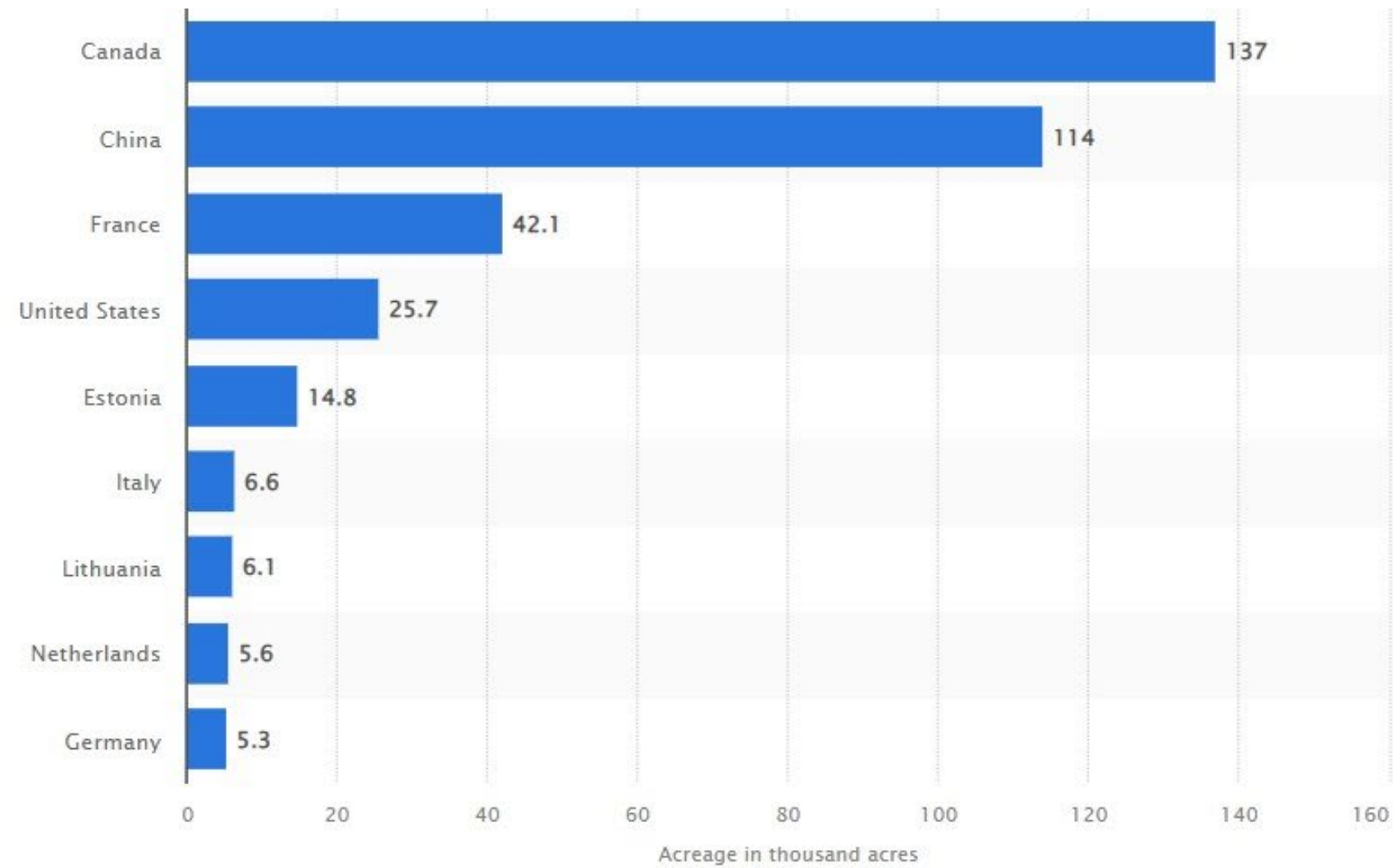
43 Ewing St, Lismore Ph: 6621 5123 / 0428 888 123  
email: [info@ecoteam.com.au](mailto:info@ecoteam.com.au) [www.ecoteam.com.au](http://www.ecoteam.com.au)

**ecoteam**

3526259aa

Made  
in  
Germany

(in 1,000 acres)



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- Bell icon
- Settings gear icon
- Share icon
- Quote icon
- Lock icon

DOWNLOAD

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Sources

FAO; Health Canada; New Frontier Data; Hemp Business Journal; Vote Hemp; EIHA

Survey by

Health Canada; Hemp Business Journal; FAO; EIHA; Vote Hemp

Published by

New Frontier Data

Source link

[The Global Hemp Industry Outlook 2019, page 6](#)

Release date

February 2019

Details: Canada; China; Estonia; France; Germany; Italy; Lithuania; Netherlands; United States; Health Canada; Hemp Business Journal; FAO; EIHA; Vote Hemp; 2017

Request publishing rights

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carbon day 2016 [Autosaved] - Compatibility Mode - PowerPoint



Acreage for hemp cultivation in 2017, by country

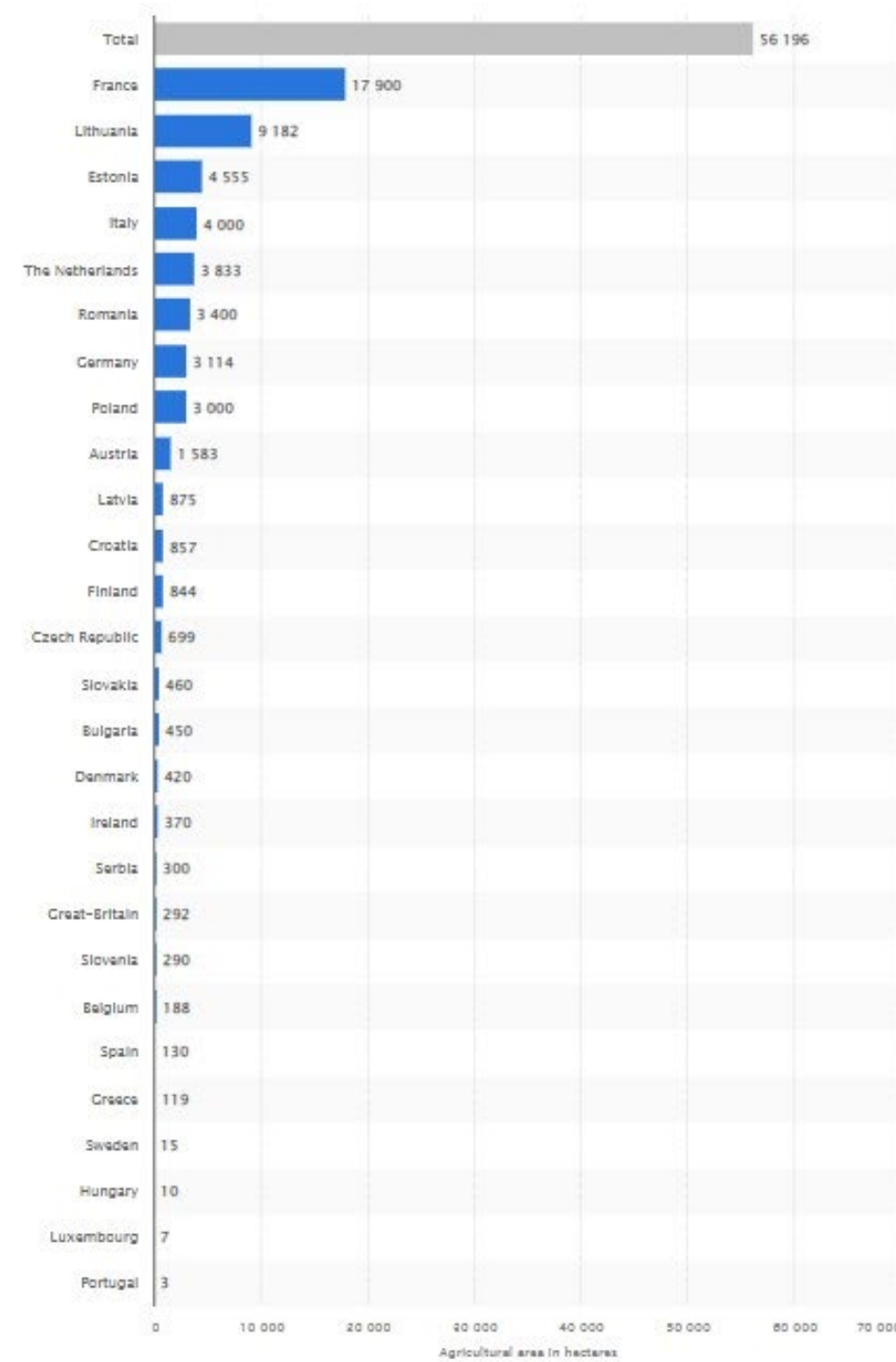
Published by [M. Shahbandeh](#), Oct 19, 2021

The statistic shows the acreage of hemp cultivation worldwide in 2017, by country. In 2017, 137 thousand acres of hemp cultivation in Canada, the largest amount of acreage for hemp cultivation by a nation worldwide.

Volume  
versus  
Value  
?

## Agricultural area dedicated to hemp cultivation in Europe in 2019, by country

(in hectares)



Details: Europe; InterChanvre; 2019

[Request publishing rights](#)

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### DOWNLOAD

- PDF
- XLS
- PNG
- PPT

### SOURCE

#### Source

InterChanvre

#### Survey by

InterChanvre

#### Published by

InterChanvre

#### Source link

[Interchanvre - La culture - Les chiffres clés](#)

#### Release date

January 2021

### Agricultural land devoted to the culture of hemp in Europe in 2019, by country

Published by [Eloise Trenda](#), Jul 5, 2021

With almost 18,000 hectares (approximately 44,478.97 acres), France is the country with the largest agricultural area dedicated to hemp cultivation in Europe. Over 9,000 hectares of farmland are used to grow hemp in Lithuania, placing the country on the second step of the European podium.

# Traceability That's

bankable!!! \$\$\$\$\$\$?!!!! *Certified Organic; Carbon farming for decades!*

- Fastest growing market worldwide.
- Over 25 years of success.
  - Market access.
  - Market surety.
  - High value markets.
- Follow those already involved and those that helped them.

{Beyond Organic™.

{Go Beyond Organic™.

{Nature and More™.

~~Certified organic and more!!~~

- Taking the next step;
- Ecological measurement
- Social measurement
- Energy footprint
- Packaging



## **Beyond Organix™.**

- Use synthetic chemicals.
- Use urea, DAP, etc
- NDF and Brix
- No established market.

## **Beyond Organics™**

For products that do not meet the organic certification requirements

## **Piggy backers that failed;**

**Eco'98;**

- Mid 90's

- Change no production methods.

- Better marketing.

Never got off the ground!!

**Organza™;**

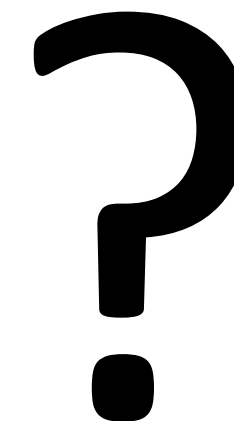
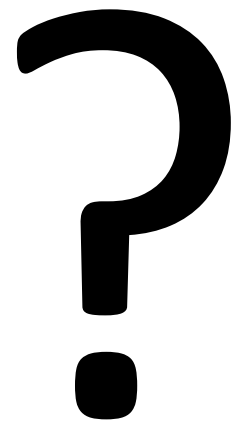
- Early 2000's

- Never got off the ground.

Trust those that HAVE trust and history!

**Certified Organics'; delivering for both farmer and consumer for decades.**

**Complete food creates a complete environment.**



- glyphosate sprayed pasture/oat crop.
- Conventional >>yes
- Regen—Ag >>yes
- Organic-----**NO**





- glyphosate sprayed pasture cultivation for crop.
- Spray Free>>**yes**
- Conventional >>**yes**
- Regen—Ag >>**yes**
- Organic-----**NO**



- 
- In milk herd grazing glyphosate pasture.
  - Conventional >>yes
  - Regen—Ag >>yes
  - Organic-----**NO**

“Perception is reality in the marketplace.”  
*Peter Cullinane.*





“Perception is reality in the marketplace.”

*Peter Cullinane.*

- In milk sheep grazing glyphosate pasture.
- Christmas lamb anyone?
- Conventional >>**yes**
- Regen—Ag >>**yes**
- Organic-----**NO**



# NZFAP and NZFAP Plus - New Zealand's National Farm Assurance Programmes

Our seal of origin delivers trusted and authentic **ORIGIN, TRACEABILITY, FOOD SAFETY** and **ANIMAL WELFARE** standards to our global consumers.

[Covid-19 Audit Options](#)



## Purpose

The New Zealand Farm Assurance Programmes (NZFAP and NZFAP Plus) provide confidence and certainty to the millions of consumers world-wide that the meat and wool produced from New Zealand's sheep, beef and deer farms is authentic, genuine, and safe. Collectively they provide assurances regarding integrity, traceability, animal health and welfare, people, farm and natural resources and biosecurity.

## History & Ownership

The New Zealand Farm Assurance Programmes (NZFAP and NZFAP Plus) are voluntary nation-wide farm assurance programmes. They were originally developed under the Red Meat Profit Partnership (RMPP), a joint Primary Growth Partnership initiative between the New Zealand red meat sector and the New Zealand Ministry for Primary Industries.

Both Programmes are now owned and managed by New Zealand Farm Assurance Incorporated (NZFAI).

## Regenerative farming at Rehoboth Farm

They used to cultivate soil but now spray with glyphosate (mixed with fish and fulvic acid to reduce the rate) and direct drill. There is no soil disturbance and the soil is kept covered.



# Fit for a Better World

Accelerating our economic potential

Ministry for Primary Industries  
Manatū Ahu Matua



2 • NEW ZEALAND GOVERNMENT

## The primary sector has agreed a vision for its future

In April 2018, the Minister of Agriculture established the Primary Sector Council to develop a shared direction for the food and fibres sector. The Council consulted widely, talking to hundreds of people from all parts of the sector and across rural communities to arrive at our first common vision and strategy. The vision, set out below, was launched by the Prime Minister at Lincoln University in December 2019.

## Vision

Certified organic maize in Northland.



- 
- What scale do we wish to see,
  - Cottage industry—each taking product to market?
  - Industrial co-operation---but at scale.





- Raw value
- Or
- High profile?



Infrastructure/mechanisation



Waikato  
crop  
Short  
variety.









NATURALLY PACKED WITH

NATURALLY PACKED WITH  
HIGH PROTEIN, IRON & ZINC



**Sunfed**

I JUST  
GOT EVEN  
BETTER

**CHICKEN FREE  
CHICKEN**  
WILD MEATY CHUNKS

PLANT  
BASED

ORIGINAL

LEAN & CLEAN PLANT PROTEIN

MADE FROM

YELLOW PEAS

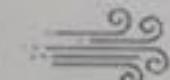


NON-GMO  
100% WATER EXTRACTED

EXTRA VIRGIN OLIVE OIL



COLD-PRESSED  
100% AUSTRALIAN OLIVES



CHILLED

GLUTEN FREE

SOY FREE

VEGAN

N2 MADE

NET  
300g



Bulk from press.  
Great to eat as is.



A quick squeeze  
in the hand and  
add to a salad,  
scrambled eggs,  
mashed potato,  
breakfast cereal/muesli.

20 seconds in the  
coffee grinder or  
whizz and  
you have a  
32% protein  
whole food powder.

Use like you would  
Salt and pepper!

Add it to baking,  
Meatballs/rissoles,  
Dips & dressings.  
Soup or stew.

Only limited by  
**Your**  
Imagination!



# iHemp Seed-Cake



FATTY ACID PROFILE	RESULTS	LOQ
<b>NU493 Fatty acid profile (as product basis)</b>		
Omega 3	1.95 g/100 g	-
Omega 6	5.60 g/100 g	-
Saturated fat	1.16 g/100 g	-
Unsaturated fat	8.53 g/100 g	-
Monounsaturated fat	0.98 g/100 g	-
Polyunsaturated fat	7.55 g/100 g	-
Trans fat	<0.02 g/100 g	-

## Protein Content

Protein 32.7 g/100 g 32.7% protein with husk in.

# iHemp Seed-cake



## Protein Content

Protein 32.7 g/100 g



	RESULTS	LOQ
<b>o NW878 Arsenic</b>		
Arsenic (As)	<0.05 mg/kg	0.05
<b>NU443 Ash Content (550°C 16-18 hrs)</b>		
Ash	6.95 g/100 g	0.1
<b>o NW880 Calcium</b>		
Calcium (Ca)	2250 mg/kg	1
<b>NU474 Carbohydrates</b>		
Carbohydrates	2.32 g/100 g	0.1
<b>UMFQH Detection of Listeria species</b>		
Listeria Species	Not Detected /25 g	-
<b>UMEX2 Detection of Salmonella species</b>		
Salmonella	Not Detected /25 g	-
<b>NU482 Dietary fibre</b>		
Total dietary fibre	40.9 g/100 g	-
<b>NU488 Energy</b>		
Energy	1280 kJ/100 g	-
<b>UM8CN Enumeration of Aerobic Bacteria</b>		
Aerobic Plate Count 35°C	70 cfu/g	-
<b>UMEPE Enumeration of Coagulase Positive Staphylococci</b>		
Coagulase positive staphylococcus	<10 cfu/g	-

	RESULTS	LOQ
<b>UMS9T Enumeration of Coliforms</b>		
Coliforms 35°C	<10 cfu/g	-
<b>UMHLC Enumeration of Escherichia coli</b>		
Escherichia coli	<10 cfu/g	-
<b>UMPJ8 Enumeration of Yeasts and Moulds</b>		
Moulds	10 cfu/g	-
Yeast	<10 cfu/g	-
<b>NU517 Fat Content</b>		
Fat	9.73 g/100 g	0.02
<b>o NW885 Iron</b>		
Iron (Fe)	211 mg/kg	0.5
<b>o NW886 Lead</b>		
Lead (Pb)	<0.01 mg/kg	0.01
<b>o NW887 Magnesium</b>		
Magnesium (Mg)	6160 mg/kg	0.1
<b>o NW889 Mercury</b>		
Mercury (Hg)	0.004 mg/kg	0.002
<b>NU744 Moisture (98-100°C 5 hrs c/w)</b>		
Moisture	8.22 g/100 g	0.01
<b>NU797 Protein Content</b>		
Protein	32.7 g/100 g	0.1
<b>NU688 Sodium (ICP-OES)</b>		
Sodium (Na)	<5 mg/100 g	5
Comment: Digestion method: Hotblock   AOAC 984.27 mod.		
<b>◆ NU883 Sugar profile</b>		
Fructose	0.09 %(m/m)	0.05
Glucose	0.19 %(m/m)	0.05
Lactose	<0.05 %(m/m)	0.05
Maltose	<0.05 %(m/m)	0.05
Sucrose	2.04 %(m/m)	0.05
Total sugar (calc. as sum)	2.32 %(m/m)	0.05

**Eurofins Food Analytics NZ Ltd**  
 35 O'Rorke Road, Penrose  
 NZ-1061 Auckland  
 NEW ZEALAND

**Phone** +64 9 579 2669  
**Fax** +64 9 526 9122  
**www.eurofins.co.nz**

12 x chemo  
and  
4 haircuts  
later.



iHemp-cake is **not** a medical product  
and is not making claims.

The comments here are observations  
Of a person who used iHemp-cake as  
Part of the daily food intake.

iHemp-cake is a complex food and  
can be enjoyed with a wide range  
Of dishes or on its own.

“Perception is reality in the marketplace.”

*Peter Cullinane.*

“Let food be thy medicine, and let medicine be thy food.”

Hippocrates.

THE NZHIA

# iHEMP

DISCOVERY & INVESTMENT

## TOUR 2022

FOOD • FIBRE • HEALTH

# SPEAKERS



**RICHARD BARGE**  
(NZHIA)

The NZHIA Chair presents a history of hemp in Aotearoa New Zealand and a new iHemp industry for Southern Waikato.



**BILL QUINN**  
(ORGANICAG)

Opportunities and differences in production and marketing of iHemp.



**DR NICK MARSH**  
(NEXT CORPORATION)

New Zealand Hemp export Driven Investor Report, unlocking the potential.

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# WHY HEMP?

This pioneering industry is on the edge of incredible growth. We're looking for farmers, growers, entrepreneurs and businesses who want to discover how to invest, upskill and become part of Aotearoa New Zealand's next billion dollar economy.

# Value Chain



Growers and  
Cultivators



Testing and  
Development



Processors and  
Manufacturers



Distributors and  
Consumers

Matching Supply with Demand, to Scale the Industry

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# WHY HEMP?

How can hemp be used in FARMING:

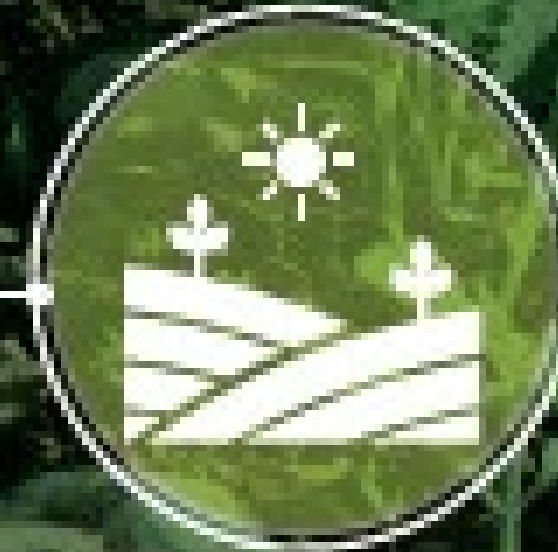
-  Farming as an alternative land use and cash crop plus phytoremediation, heavy metal removal and soil cleaning/conditioning.
-  Use for nitrogen uptake, and climate crisis mitigation.
-  Crop rotation and break cropping in collaboration with other primary industries.



# Sheep & Beef? What can hemp do for you?



Regenerative  
Land  
Diversification



Sustainable  
Revenue  
Stream



Supporting a  
Healthy Food  
Chain

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[www.nzhia.com](http://www.nzhia.com)

# Aotearoa NZ Hemp Statistics

NZ Hemp Industries Association Incorporated							
Aotearoa New Zealand - iHemp Licence Statistics - Provided by MOH							
Area Grown - Hectares	2015	2016	2017	2018	2019	2020	2021
Auckland	11.0	11.2	14.2	0.0	-	-	-
Bay of Plenty	-	-	19.4	0.6	12.5	0.0	0.1
Canterbury	7.2	0.2	-	130.0	168.4	813.9	446.6
Capital and Coast	-	-	-	5.0	12.0	-	-
Counties Manukau	-	-	0.2	-	0.5	0.4	-
Hawkes Bay	-	-	-	0.0	60.2	9.0	89.0
Lakes	-	-	-	-	10.0	0.0	0.6
MidCentral	-	-	-	11.0	202.8	40.4	14.9
Nelson - Marlborough	0.0	1.4	1.0	2.4	9.4	53.8	61.0
Northland	-	-	1.0	0.5	2.1	0.6	0.4
Palmerston North - Mid central	-	-	-	-	-	-	-
Rotorua - Lakes	-	-	-	-	-	-	-
South Canterbury	-	10.6	12.6	12.0	112.7	197.7	143.0
Southern	1.0	-	32.0	3.3	19.0	72.0	75.8
Tairāwhiti	1.7	2.5	0.1	10.3	26.2	0.2	7.2
Taranaki	-	-	3.7	0.5	0.5	1.1	8.3
Waikato	0.4	-	-	38.0	1.0	58.6	8.0
Wairarapa	50.2	12.1	17.9	30.0	64.3	31.5	-
Waitemata	0.0	4.1	4.0	0.0	0.5	-	0.0
West Coast	-	-	-	2.0	4.3	4.7	6.0
Whanganui	-	-	-	5.2	40.0	51.0	-
<b>Total Area Grown</b>	<b>71.6</b>	<b>42.1</b>	<b>106.2</b>	<b>250.8</b>	<b>746.4</b>	<b>1,334.9</b>	<b>860.7</b>

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# WHY HEMP?

How can hemp be used in FOOD INDUSTRY:



Seeds for food and utilising local circular economy by- product streams to make new and innovative



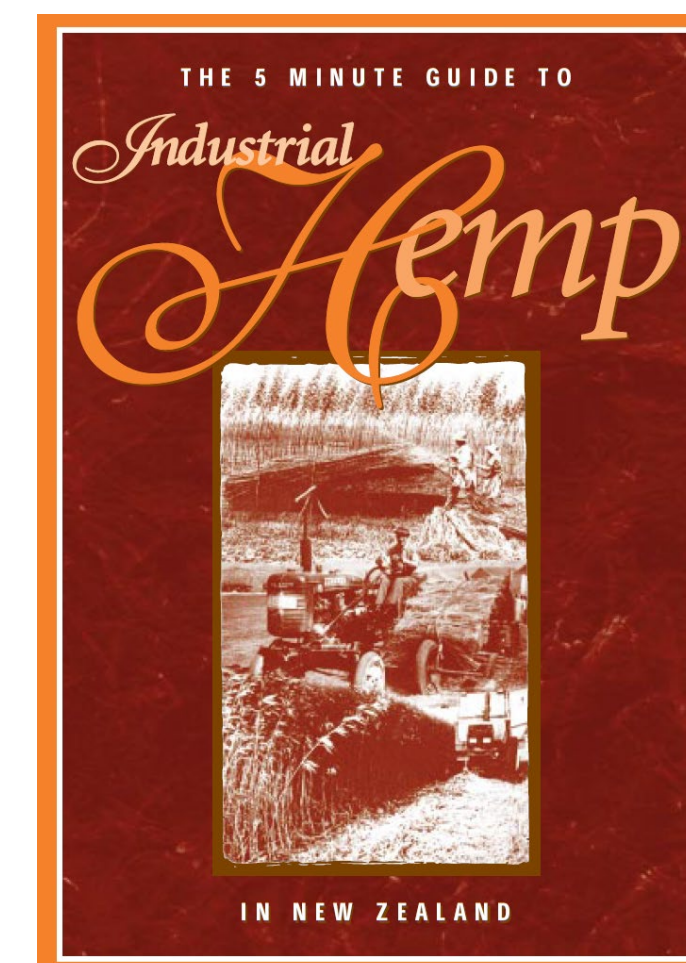
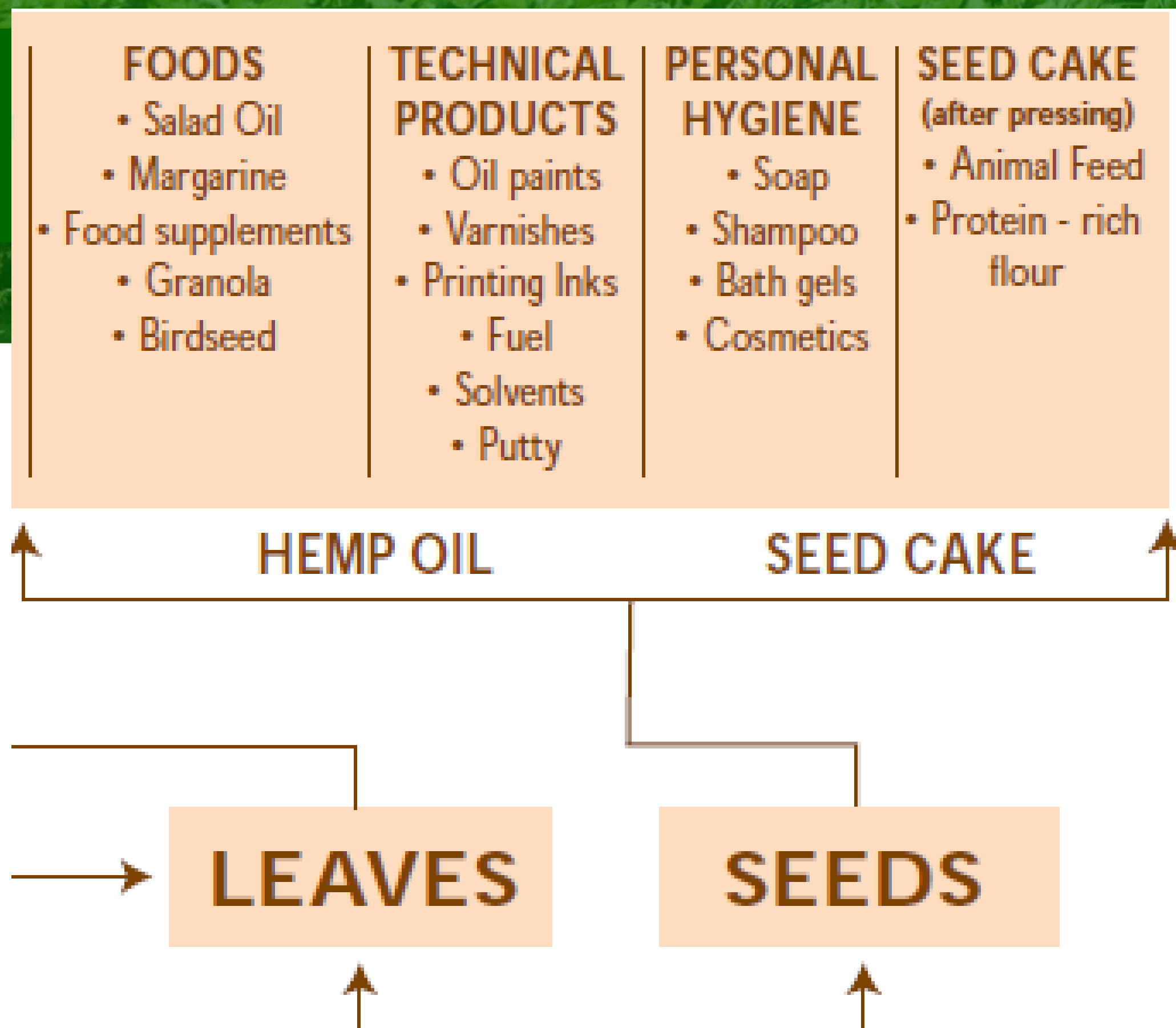
products. Hemp seed nutritional products for humans and animals as well as seed multiplication for northern hemisphere hempseed companies.



Future uses of hemp leaf, sprouts and roots.



**Food grade product, the enemies are heat, light and air**



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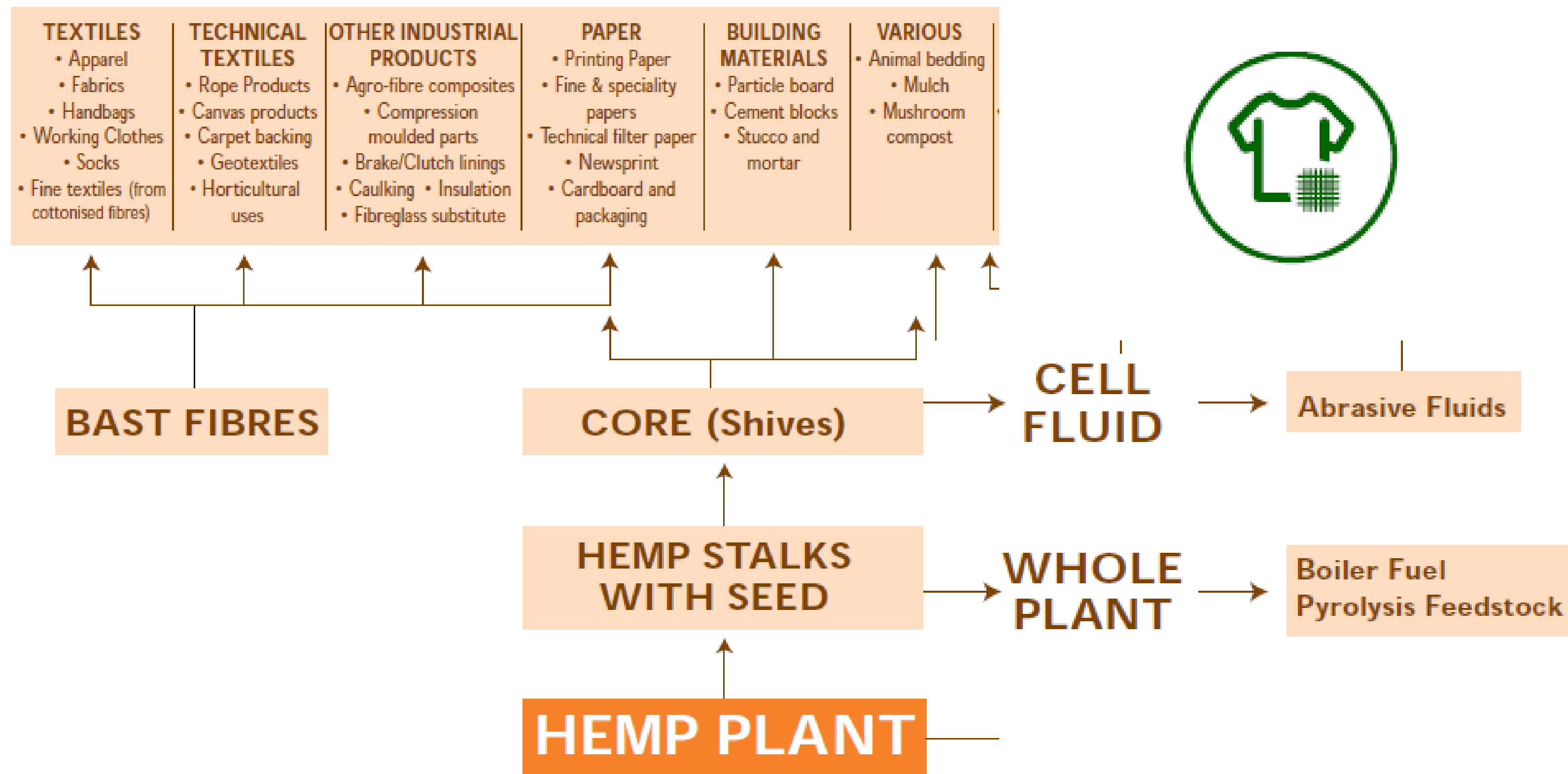
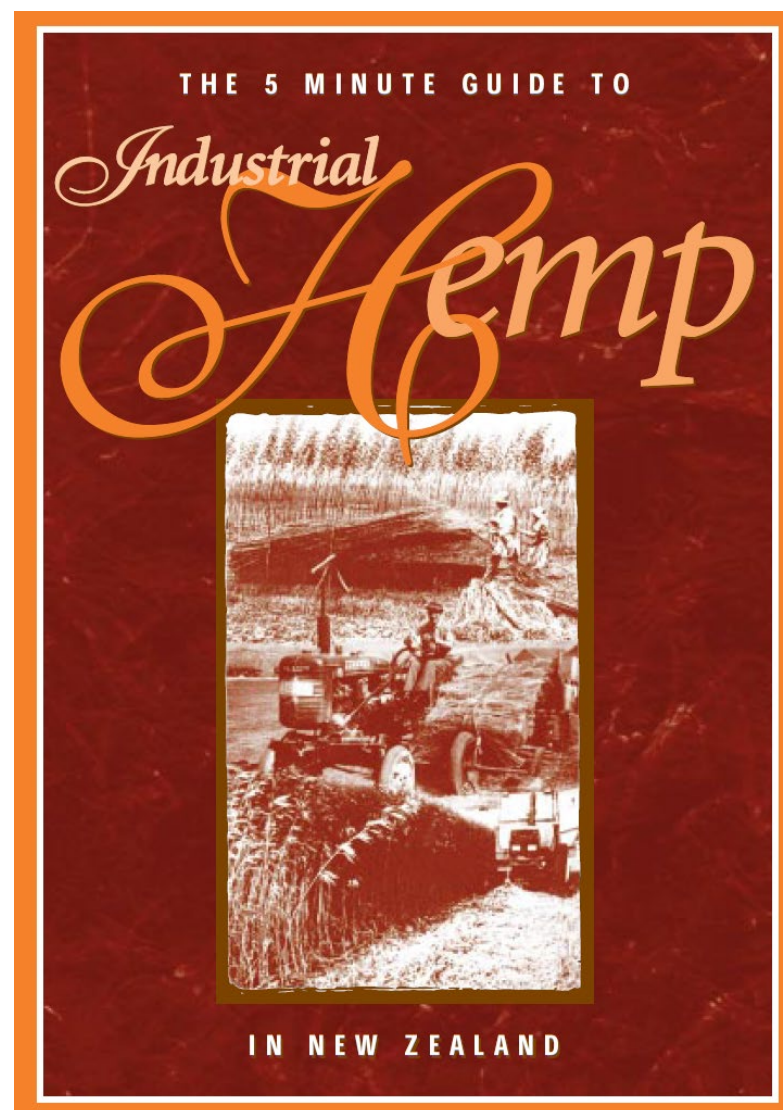
# WHY HEMP?

How can hemp be used in the FIBRE INDUSTRY:

- Investment in decortication and primary processing would enable enterprises to scale and enter markets for high and low tech industrial uses.
- Collaboration with other primary sectors, such as forestry and wool.



# Hemp fibre



# WHY HEMP?



How can hemp be used in the HEALTH INDUSTRY:



Female plant cultivation for the emerging health and wellness industry, utilising cannabinoids, terpenes, and flavonoids as high-value fractions from locally grown crops for global niche markets.



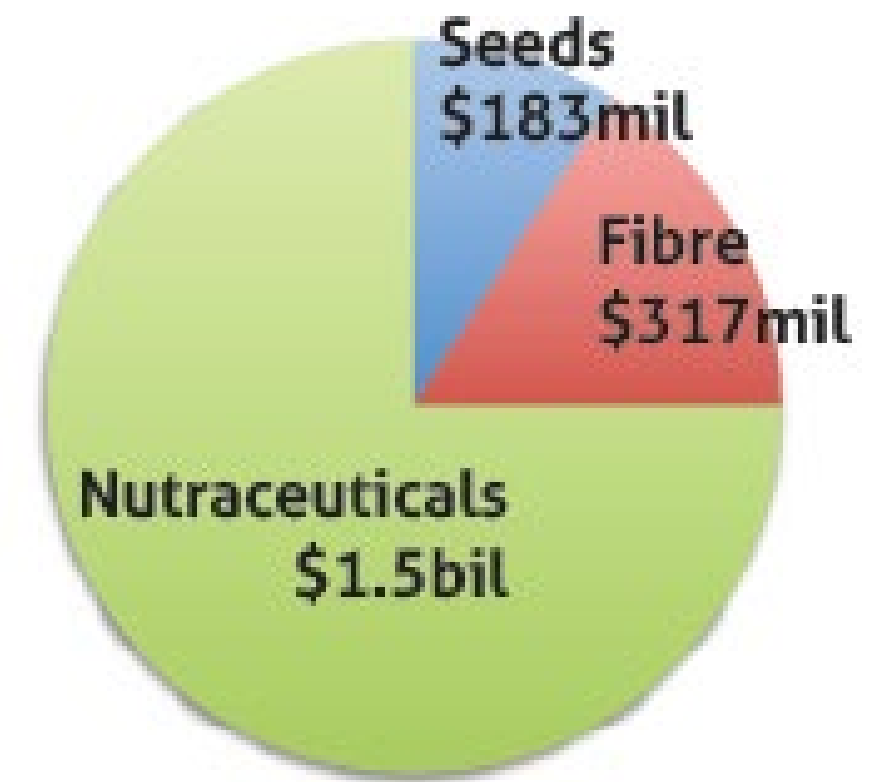
Working with Mānuka, Kawakawa and other native botanicals grown in New Zealand.



# The NZHA WHY

A MPI 2021 report predicts Industry to grow from 3-5 million now to between \$11 to \$774 million by 2030. Their preferred scenario 2 gave a prediction of \$30 million by 2030

But the NZHIA's Senario 2 in our investor report highlights a \$2 billion opportunity by 2030 - We just need the right interpretation of the regulations



**NZHIA Senario 2 \$2 Billion**



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# BE IN TO WIN!

Be part  
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tour &  
**WIN!**

T & C's apply, see nzhia.com

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Event  
spot  
prizes



Gift  
basket  
draw



All registered participants  
will go into the draw to  
win a hemp gift basket!

\*T & C's apply, see nzhia.com

Valued  
at over  
\$300



**HEMP**  
NEW ZEALAND



pure heart  
AOTEAROA  
hemp's golden gift

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# JOIN THE NZHIA

# BE IN TO WIN

Sign up as an NZHIA member  
on the tour and go into the  
draw to win a Hark & Zander  
Luxury Gift Box

## HARK & ZANDER

Hemp  
products  
valued at  
\$445



Terms & conditions apply. See [www.nzhia.com](http://www.nzhia.com).

# RESOURCES

## The Next Step

Join the NZHIA so we can keep in touch

- We need a:
  - Hemp Industry Strategy Reset
  - Capability Development Program

Callahan Innovation:  
[Capability Road Maps](#)

Tupu.nz: [Fact sheets for industrial hemp](#)

**CallahanInnovation**  
New Zealand's Innovation Agency

 **Te Puni Kōkiri**  
MINISTRY OF MĀORI DEVELOPMENT

**It's time to unlock hemp's potential for Aotearoa.**

SUSTAINABILITY



NUTRITION



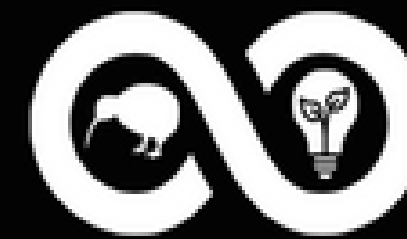
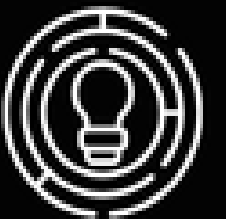
BIOMATERIALS



HEALTH



INNOVATION



**Aotearoa New Zealand  
Hemp Alliance**

*Coming soon ... a new community building portal*

# WITH THANKS

With thanks to our speakers from



and regional support from



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# WITH THANKS

With thanks to our sponsors

**AGMARDT**



**NZHIA**  
Food. Fibre. Health.

and a special thank you for tonight's spot prize sponsor

  
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# GET INVOLVED - JOIN



Our mission is to promote the growth and development of the industrial hemp industry in New Zealand in all aspects. Now is the perfect time to become a member and be part of this growing industry.

**Join at [www.nzhia.com](http://www.nzhia.com)**



Growers and  
Cultivators



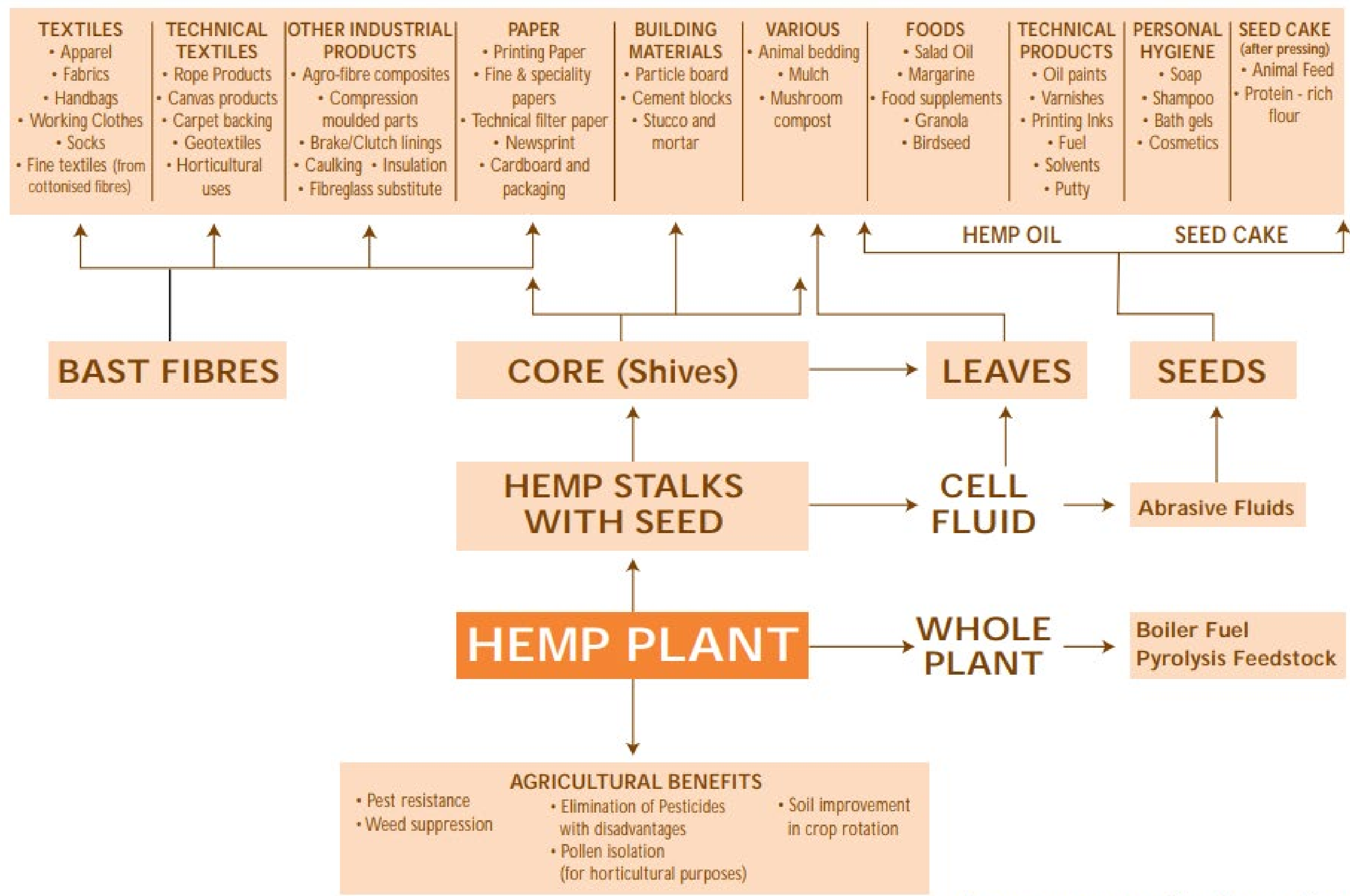
Testing and  
Development



Processors and  
Manufacturers



Distributors and  
Consumers



ADAPTED FROM A VERSION BY RURAL INDUSTRIES RESEARCH & DEVELOPMENT CORPORATION, ACT AUSTRALIA