

THE NZHIA

# iHEMP

DISCOVERY & INVESTMENT

# TOUR 2022

FOOD • FIBRE • HEALTH



## BLENHEIM

Exploring hemp's economic and sustainability potential:  
**What role can hemp play in the Marlborough region**

SPONSORED BY:

**AGMARDT**



Marlborough Research Centre

Tuesday 26 July 2022

PRESENTED BY RICHARD BARGE



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 Marlborough.



**GERALD HOPE**  
(MARLBOROUGH RESEARCH CENTRE)

An historic overview from the early days of pastoral farming through to horticultural production reflecting Marlborough's changed land use.



**KIRSTY HARKNESS**  
(HARK & ZANDER)

Uses of the hemp plant for us in the commercial world both now and future plans. Research results for growing hemp in vineyards.



**BRIAN KINDILIEN**  
(PURO NZ)

NZ medicinal cannabis industry – a grower's perspective.



THE NZHIA

iHEMP

DISCOVERY & INVESTMENT

TOUR 20  
22

FOOD • FIBRE • HEALTH

# PROGRAM

- 3.00 Welcome
- 3.10 NZHIA Introduction and History
- 3.25 Gerald Hope MRC
- 3.45 Brian Kindilien Puro
- 4.00 Kirsty Hakrness Hark and Zander
- 4.20 NZHIA Business plans - Why
- 4.40 Panelists Question & Answers
- Till Close



# NZ Hemp Industries Association iHemp and History



Growers and Cultivators



Testing and Development

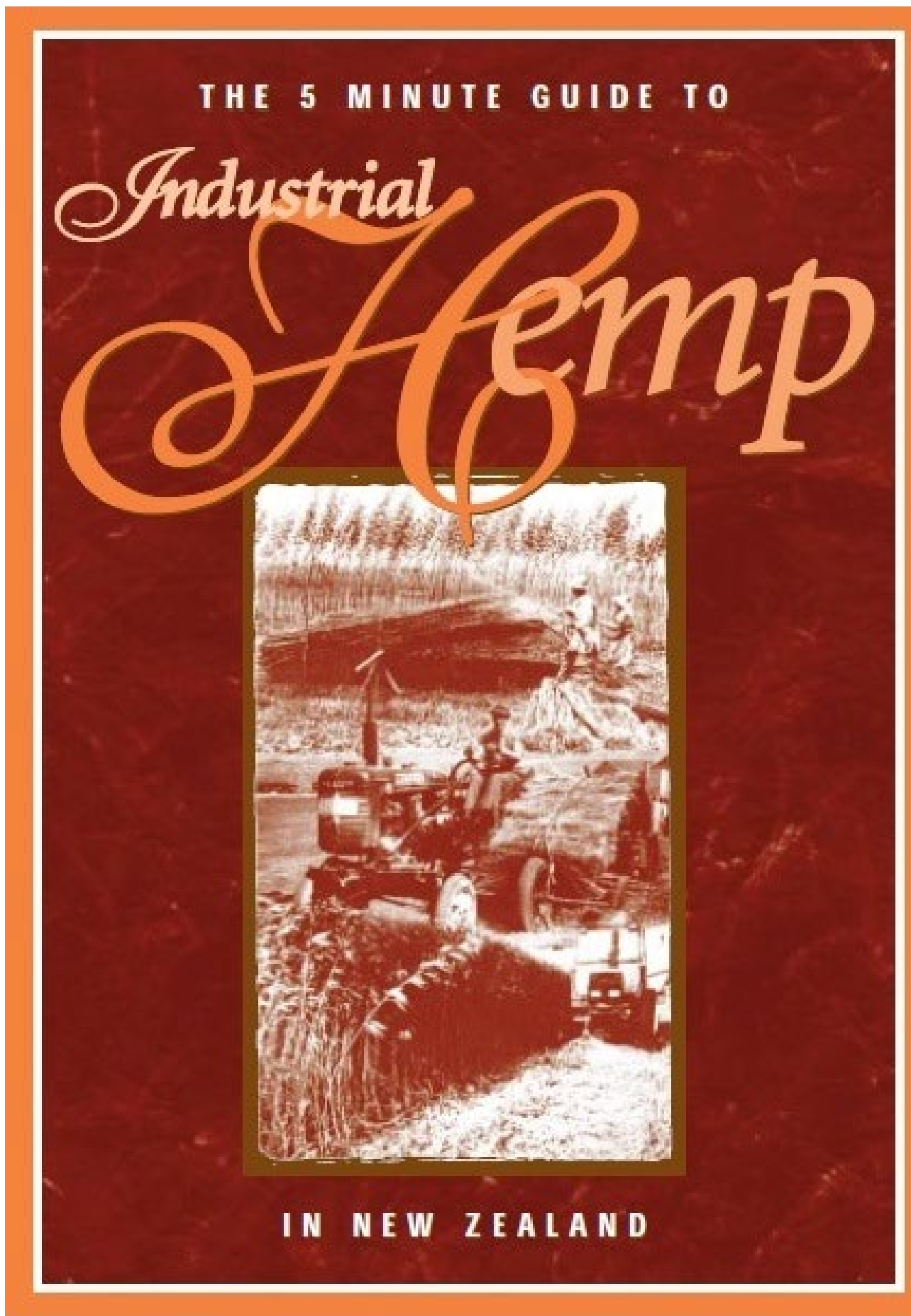


Processors and Manufacturers



Distributors and Consumers





**NZ HEMP EXPORT DRIVEN INVESTOR REPORT:**  
 \$2 BILLION AND  
 20,000 REGIONAL JOBS BY 2030  
 JUST NEEDS THE NOD...

**G R O W T H**

**FULL REPORT**



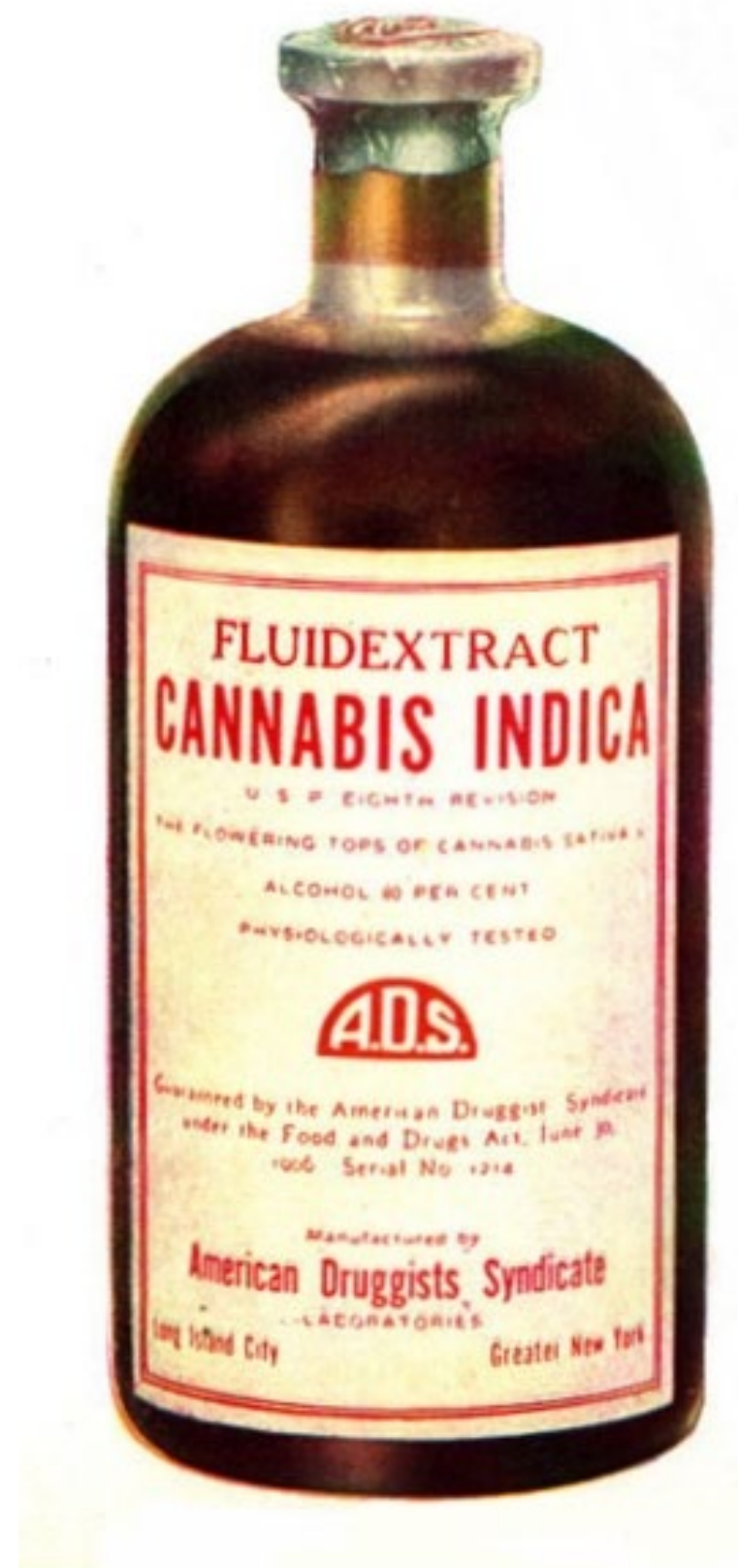
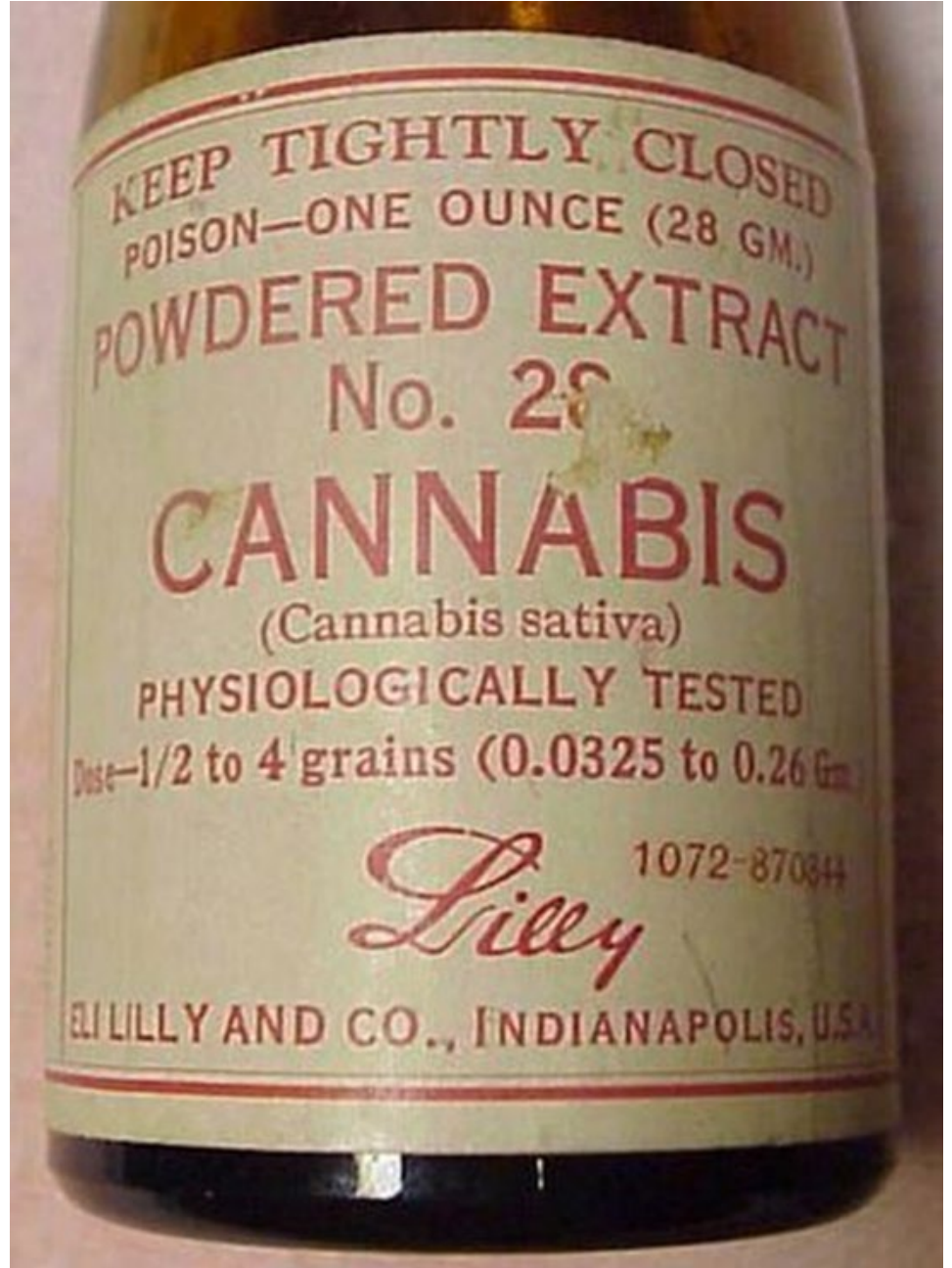
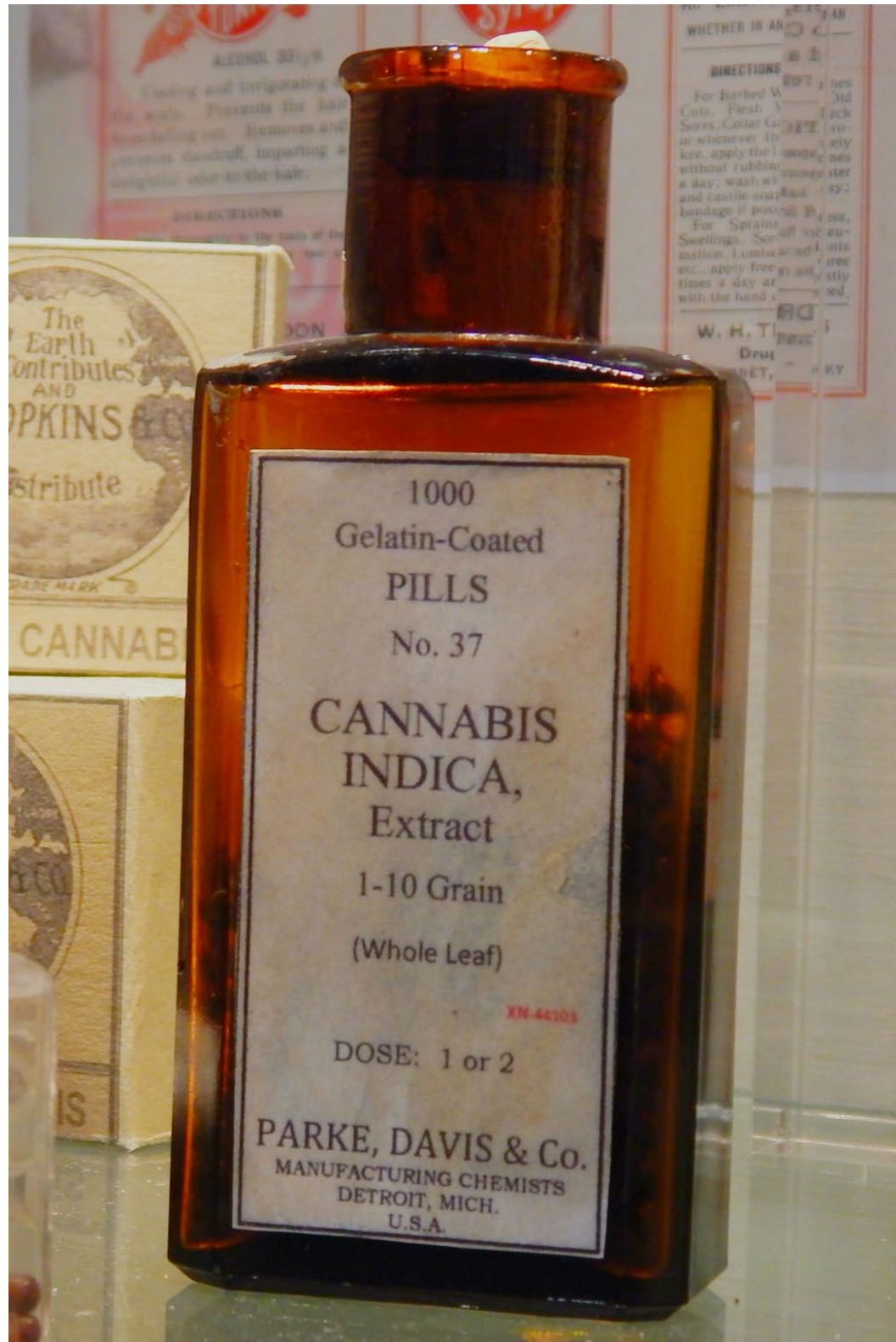














UNITED STATES DEPARTMENT OF AGRICULTURE  
BULLETIN No. 404

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

CONTENTS

Page	Page
The Production and Handling of Hemp Hurds, by Lyster H. Dewey :	The Manufacture of Paper from Hemp Hurds, by Jason L. Merrill :
What Hemp Hurds are . . . . . 1	Introduction . . . . . 7
Pith, Wood, and Fiber . . . . . 2	Factors Justifying an Investigation of Hemp Hurds . . . . . 8
Character of Hurds Affected by Retting . . . . . 2	Character of the Material . . . . . 11
Proportion of Hurds to Fiber and Yield per Acre . . . . . 3	Character of the Tests . . . . . 12
Hurds Available from Machine-Broken Hemp . . . . . 3	Operations Involved in a Test . . . . . 13
Present Uses of Hemp Hurds . . . . . 4	Description of Tests . . . . . 16
Present Supplies of Hurds Available . . . . . 5	Comparison of the Tests and Commercial Practice . . . . . 21
Baling for Shipment . . . . . 5	Physical Tests of the Papers Produced . . . . . 24
Cost of Baling . . . . . 5	Conclusions . . . . . 25
Summary . . . . . 6	



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1916

BILLION-  
DOLLAR  
CROP

petition with under-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, horizontal hemp and a grade tractor. Hemp grows luxuriantly in France.

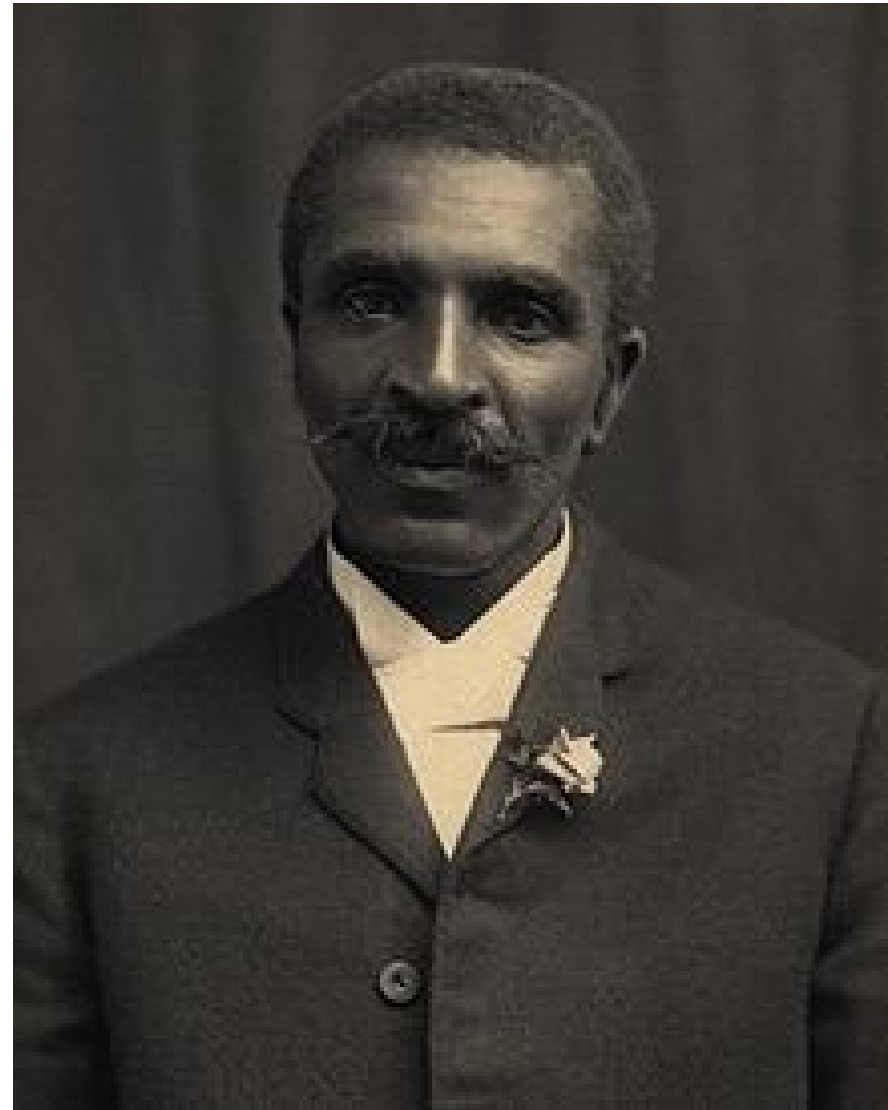


FARMERS' BULLETIN No. 1935  
U. S. DEPARTMENT OF AGRICULTURE





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



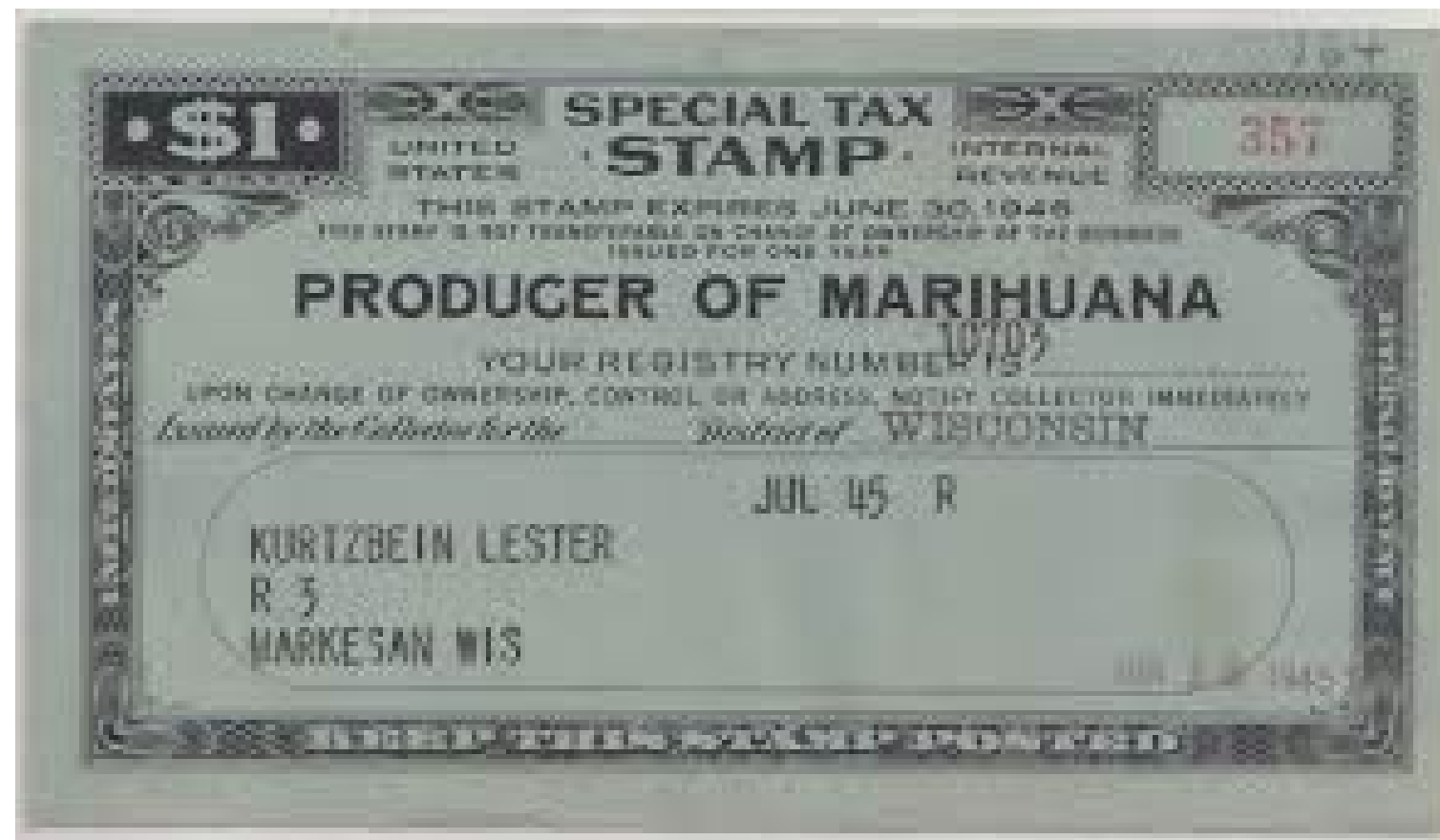
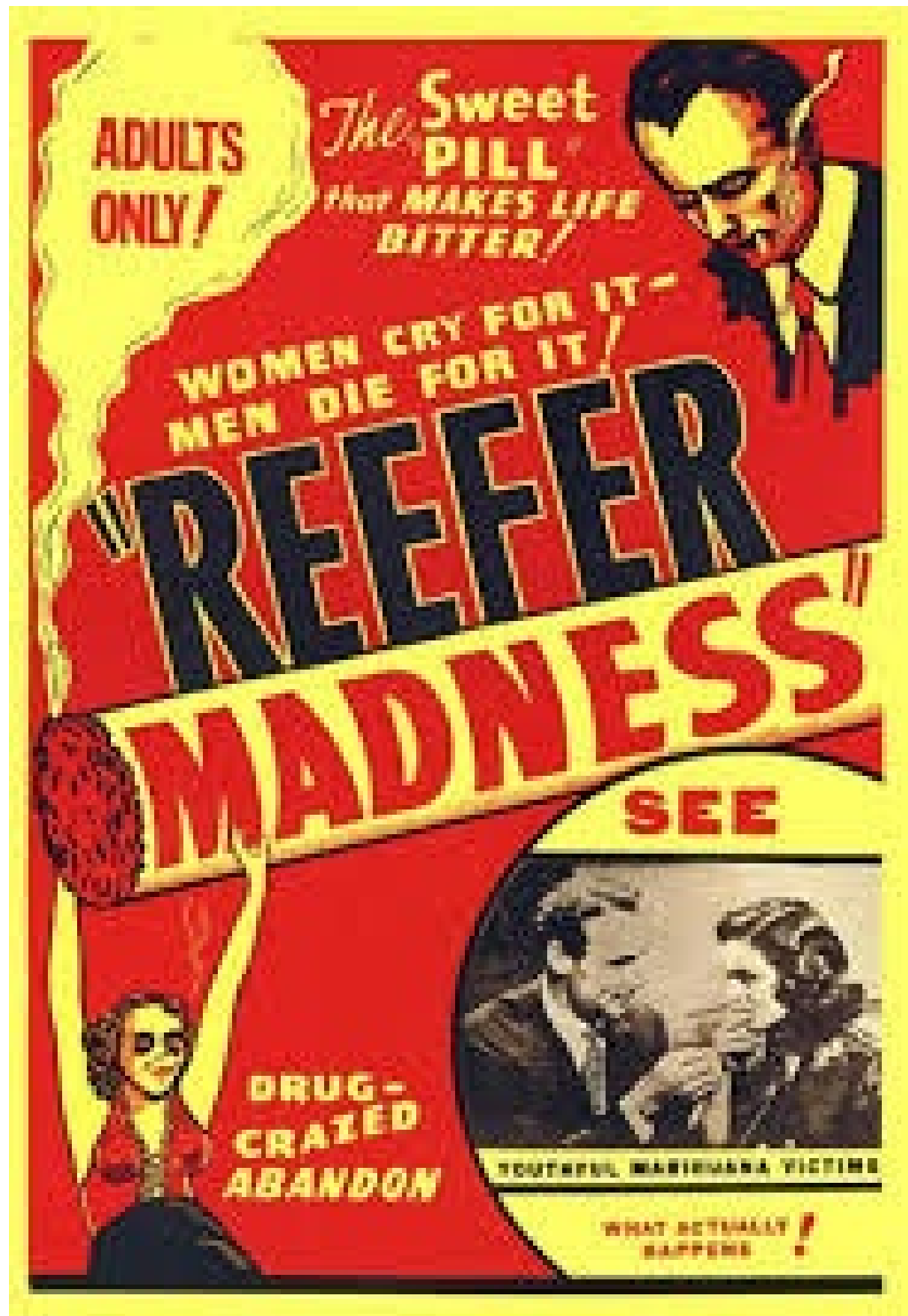
George Washington  
Carver c1910



Henry Ford c1930











*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.

**The Lustrous HempFiber**

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

Prim  
impo  
hume  
form  
doub  
hemp  
the n

Reich  
Nutri

The  
Tran  
repr  
Wes  
Her  
Th  
par  
sam

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

Page 12



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

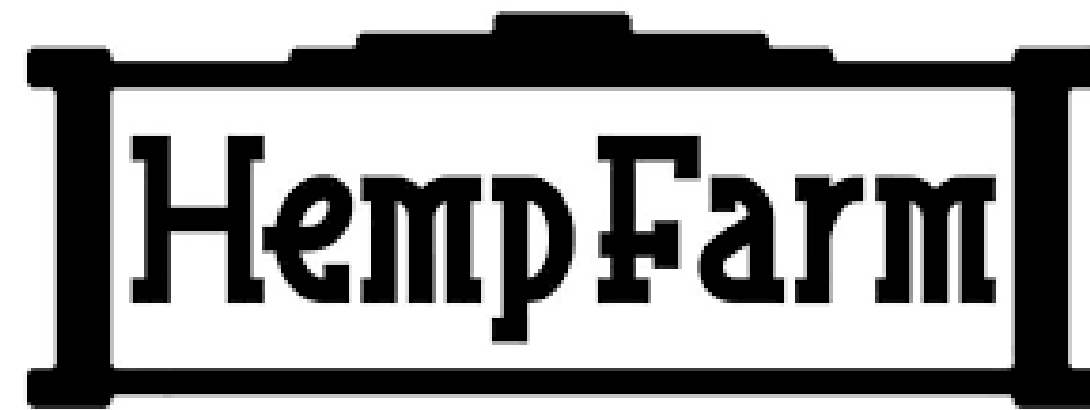
(SR 2006/163)

## 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.







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



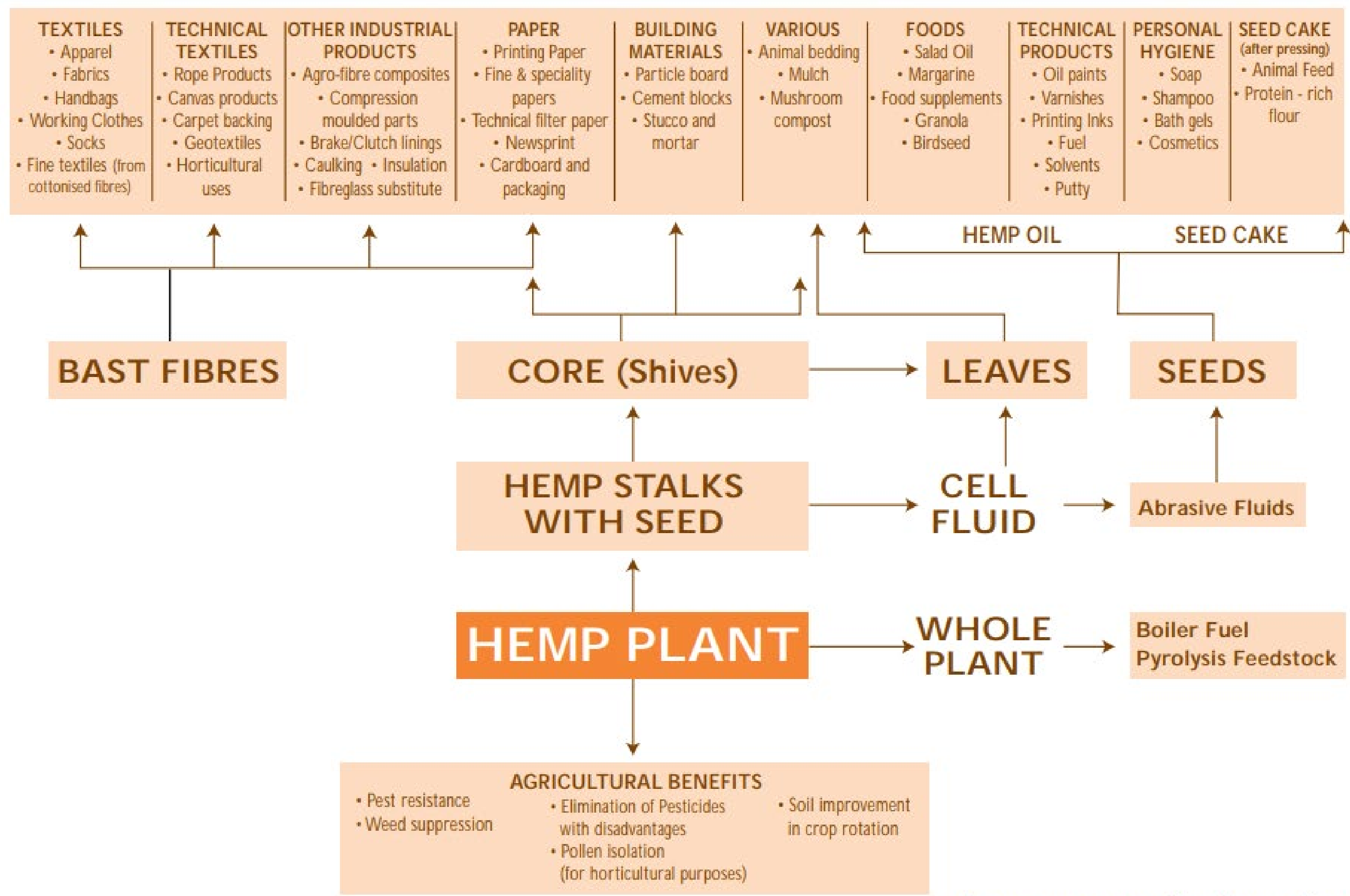




Hemp Construction Materials







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



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 Marlborough.



**GERALD HOPE**  
(MARLBOROUGH RESEARCH CENTRE)

An historic overview from the early days of pastoral farming through to horticultural production reflecting Marlborough's changed land use.



**KIRSTY HARKNESS**  
(HARK & ZANDER)

Uses of the hemp plant for us in the commercial world both now and future plans. Research results for growing hemp in vineyards.



**BRIAN KINDILIEN**  
(PURO NZ)

NZ medicinal cannabis industry – a grower's perspective.



# *Welcome*

*Today I'm going to traverse the  
landscape of Marlborough and highlight  
the wonderful natural attributes we are  
guardians of - soil, sun and water*



## **Overview - MRC Established 1983**

MRC is a registered charity

Funded annually by Council grant, rental and vineyard income

Funds are used to facilitate co-funding of local research and technology development





MRC was created to provide local science  
and technical support to the primary  
sector


An established research and technology  
development hub

Working alongside local primary  
producers



Connecting Research & Business in Marlborough, New Zealand & Beyond





Marlborough's economic base for over  
160 years has been built on pastoral,  
agricultural, horticultural production  
up until the 1970 - 80's

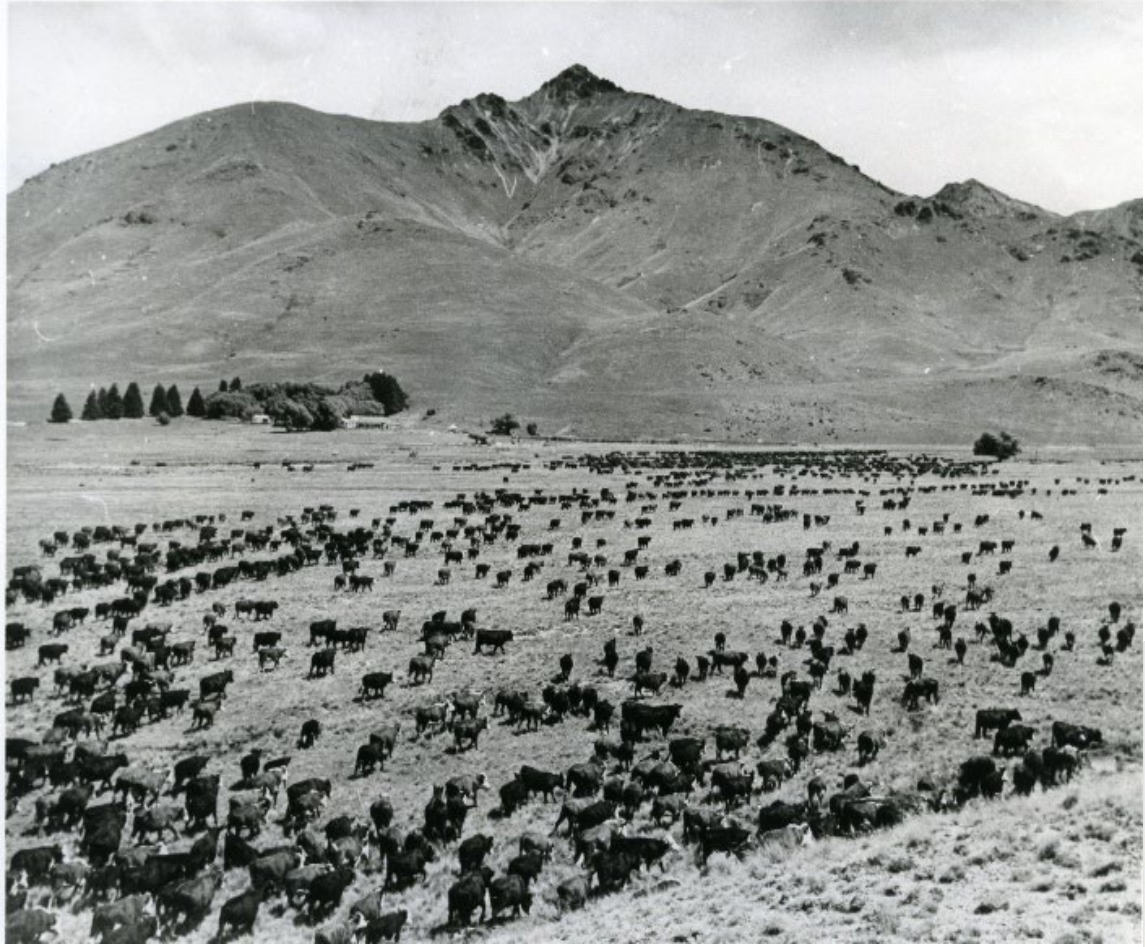
A major transition began through use  
of our diverse soils, abundant water,  
sun & geographic location



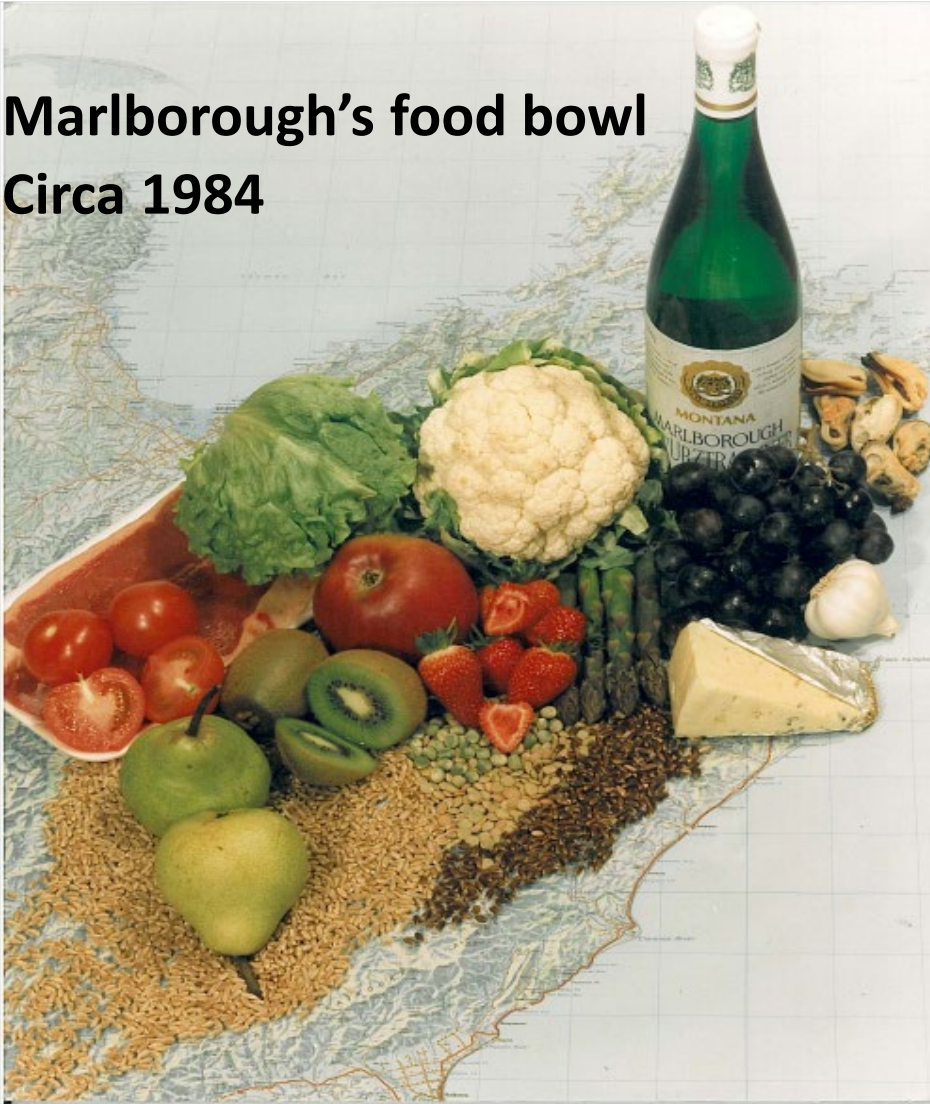
# *Looking back*

Connecting Research & Business in Marlborough, New Zealand & Beyond





**Marlborough's food bowl**  
Circa 1984







Connecting Research & Business in Marlborough, New Zealand & Beyond





Connecting Research & Business in Marlborough, New Zealand & Beyond





Connecting Research & Business in Marlborough, New Zealand & Beyond





Connecting Research & Business in Marlborough, New Zealand & Beyond





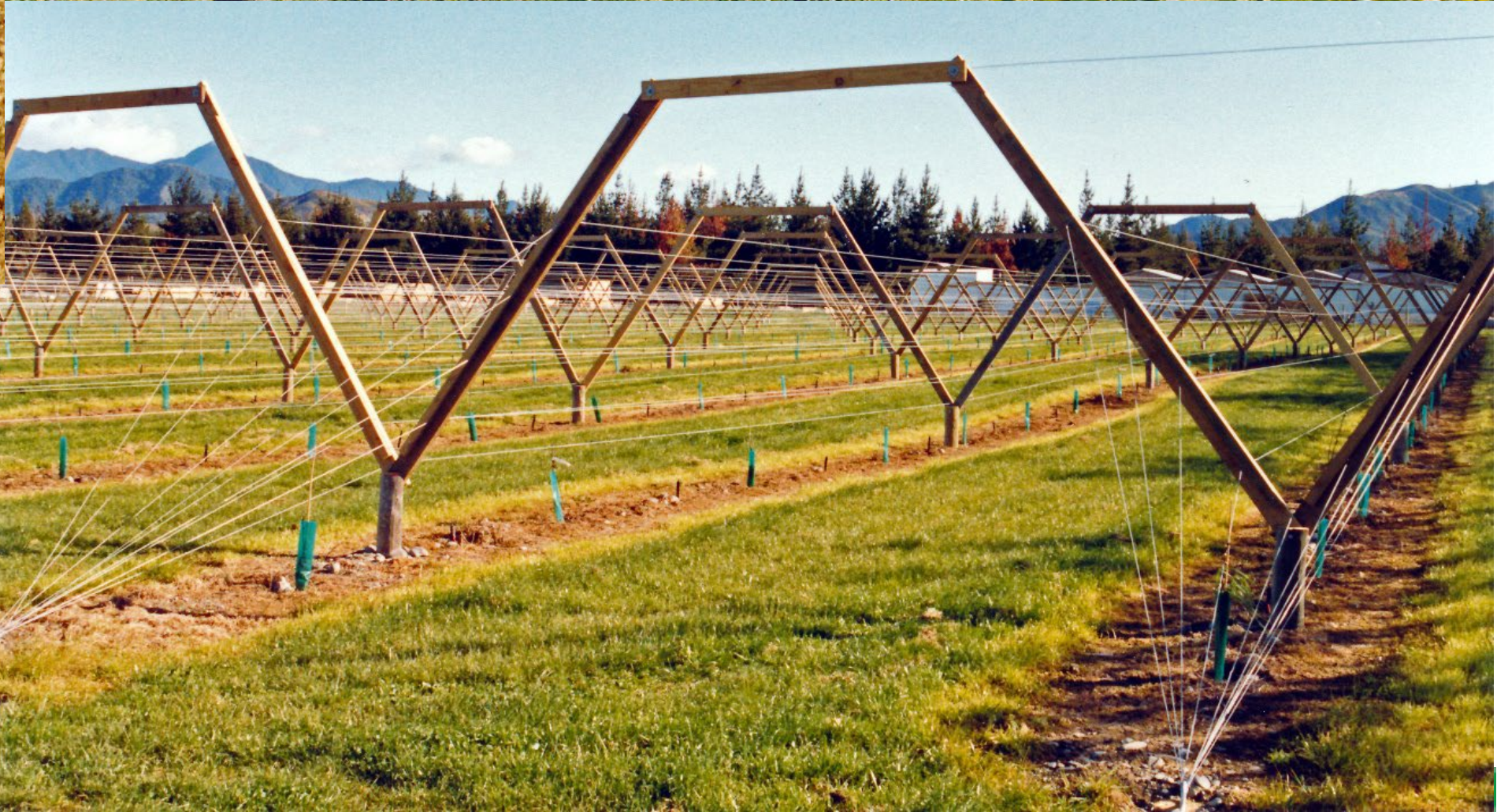
Connecting Research & Business in Marlborough, New Zealand & Beyond





Connecting Research & Business in Marlborough, New Zealand & Beyond





Connecting Research & Business in Marlborough, New Zealand & Beyond









Connecting Research & Business in Marlborough, New Zealand & Beyond



# *The future*

Connecting Research & Business in Marlborough, New Zealand & Beyond



# New Zealand Wine Centre - Te Pokapū Wāina o Aotearoa

- Kanoa (PGF) of \$3.9 million matched with equal funding from MRC - \$7.8 million
- Jerram Tocker Barron Architects designed NZ Wine Centre
- A hub for collaboration, innovation, integrated science and technology development





- **September 2022** - Official Opening of the New Zealand Wine Centre - Te Pokapū Wāina o Aotearoa



Connecting Research & Business in Marlborough, New Zealand & Beyond



---

# 39 years

... connecting Research, Business  
and Education in Marlborough.

---



MARLBOROUGH  
RESEARCH  
CENTRE

Te Rito Hiranga o Wairau







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 Marlborough.



**GERALD HOPE**  
(MARLBOROUGH RESEARCH CENTRE)

An historic overview from the early days of pastoral farming through to horticultural production reflecting Marlborough's changed land use.



**KIRSTY HARKNESS**  
(HARK & ZANDER)

Uses of the hemp plant for us in the commercial world both now and future plans. Research results for growing hemp in vineyards.



**BRIAN KINDILIEN**  
(PURO NZ)

NZ medicinal cannabis industry – a grower's perspective.



Kia ora

New Zealand iHemp  
Discovery and Investment  
Tour 2022



We are Puro New Zealand,  
Growing the Future

Topic: Post Harvest / A Case Study

By Brian Kindilien



# Puro New Zealand Overview

---

An established company with a premium brand, a world-class product and proven management

---

Specialist grower of medicinal cannabis with two cultivation facilities and significant capacity to scale

---

One of few large-scale commercial growers worldwide with organic accreditation

---

Government funding has been secured to fast-track production and accelerate growth

---

A strong business model within an industry that has high financial and regulatory barriers to entry

---

Two proven commercial scale outdoor harvests

---

**Puro Outdoor Grown,  
Trimmed, Dried Flower  
Harvested:**

**2022 – 5 tonnes**

**2021 – 2.8 tonnes**



# Our sites: Kēkerengū

- East coast with Pacific Ocean aspect
- Currently >10Ha outdoor cultivation
- BioGro Certified Organic #6182
- EU (CU) GACP accredited
- High potency CBD, CBG and unique cultivars
- Premium manicured flower, and milled biomass.





# Our sites: Waihopai

- Aotearoa's famous Marlborough wine region
- Top of the South Island
- Home of Puro's indoor controlled environment agriculture (CEA) facilities
- High potency THC, CBD and 1:1 cultivars
- Premium manicured flower, trim and biomass





# Puro's Accreditations & Licences

BioGro Accredited - Kēkerengū



EU (CU) GACP Accredited - - Kēkerengū



Ministry of Health Licence	Status	Duration / Renewal	Description
Nursery activity (Medicinal cannabis Agency)	Obtained and expired July 2021. Not currently in use.	Annual renewal	Allows purchase, import, possession and supply of cannabis seed to a medicinal cannabis licence holder with the 'cultivation' activity specified.
Cultivation activity (Medicinal cannabis Agency)	Obtained for Kēkerengū Obtained for Waihopai	Annual renewal	Allows cultivation breeding research, the purchase, import and supply of cannabis seeds / plants and the commercial cultivation of cannabis to produce starting material for therapeutic use. All parties must be appropriately licensed.
Supply activity (Medicinal cannabis Agency)	Obtained for Kēkerengū	Annual renewal	Allows supply and exporting of medicinal cannabis starting material to appropriately licensed parties.
Licence to export controlled drugs (Medicines Control)	Applied for prior to export	Application per consignment	Allows the export of up to 4 products per consignment. A licence to import must be provided by the destination country before a licence to export controlled drugs can be issued.



# Harvest - Overview

- Benefits of achieving consistency and repeatability growing a natural active pharmaceutical ingredient (API) outdoors
  - Reduced cost
  - Scalability
- Challenges
  - Consistency
  - Compliance
  - Nature





## Harvest - Standardisation

- Consistency - top flower, lower plant material, defoliation, moisture, export readiness
- Processes – Drying, trimming, milling, packaging, testing... and cleaning
- Optimising processes for best outcome requires measurement, recording, experimentation, modelling and simulation





## Harvest – Environment

- Risks/rewards of an outdoor grow
- Cultivar differences (origin CoAs v. outcomes)
- Inputs – Fertigation, soil conditions
- Plant Management – Trimming strategies, canopy exposure
- Technology – Weather monitoring, fertigation, test equipment





## Harvest - Scale

- Large volume growing –  
Suppling for the current demand
- Small batch cultivation for testing – Knowing what works in your environment
- Labour impact –  
Overlapping with existing industry harvests (wine, hops, etc.) allows sharing of workers, reduces cost





## Kēkerengū Outdoor Cultivars 2022

## Waihopai Indoor Cultivars 2022

Puro Cultivar	Dominant Cannabinoid	Harvested dry weight
	(Percent %)	(Kgs)
<b>Outdoor</b>		
PuroCann-C018	CBD – 6 - 8%	2,098
PuroCann-C019	CBD – 7 - 9%	1,116
PuroCann-C020	CBD – 8.20%	633
PuroCann-C022	CBD – 8.90%	350
PuroCann-C023	CBD – 8.40%	283
PuroCann-C024	THC – 16.30%	23
PuroCann-C025-1	THC – 10.80%	37
PuroCann-C025-2	THC – 19.40%	32
<b>Indoor</b>		
PuroCann-C008	THC – 13.90%	20
PuroCann-C010	THC – 12.1%	1
PuroCann-Trim blend	THC – 6%	10
PuroCann-C030	THC – 25-27%*	10

\* Per cycle (3 per year), per room (3 rooms)





Tēnā koutou

Brian Kindilien  
Business Development Manager  
Puro New Zealand  
<https://puro.co.nz/>  
+64 (0)27 285 5388  
[brian@puro.co.nz](mailto:brian@puro.co.nz)





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 Marlborough.



**GERALD HOPE**  
(MARLBOROUGH RESEARCH CENTRE)

An historic overview from the early days of pastoral farming through to horticultural production reflecting Marlborough's changed land use.



**KIRSTY HARKNESS**  
(HARK & ZANDER)

Uses of the hemp plant for us in the commercial world both now and future plans. Research results for growing hemp in vineyards.



**BRIAN KINDILIEN**  
(PURO NZ)

NZ medicinal cannabis industry – a grower's perspective.





COMMERCIAL USE FOR  
HEMP  
Kirsty Harkness





Our Hemp Journey...













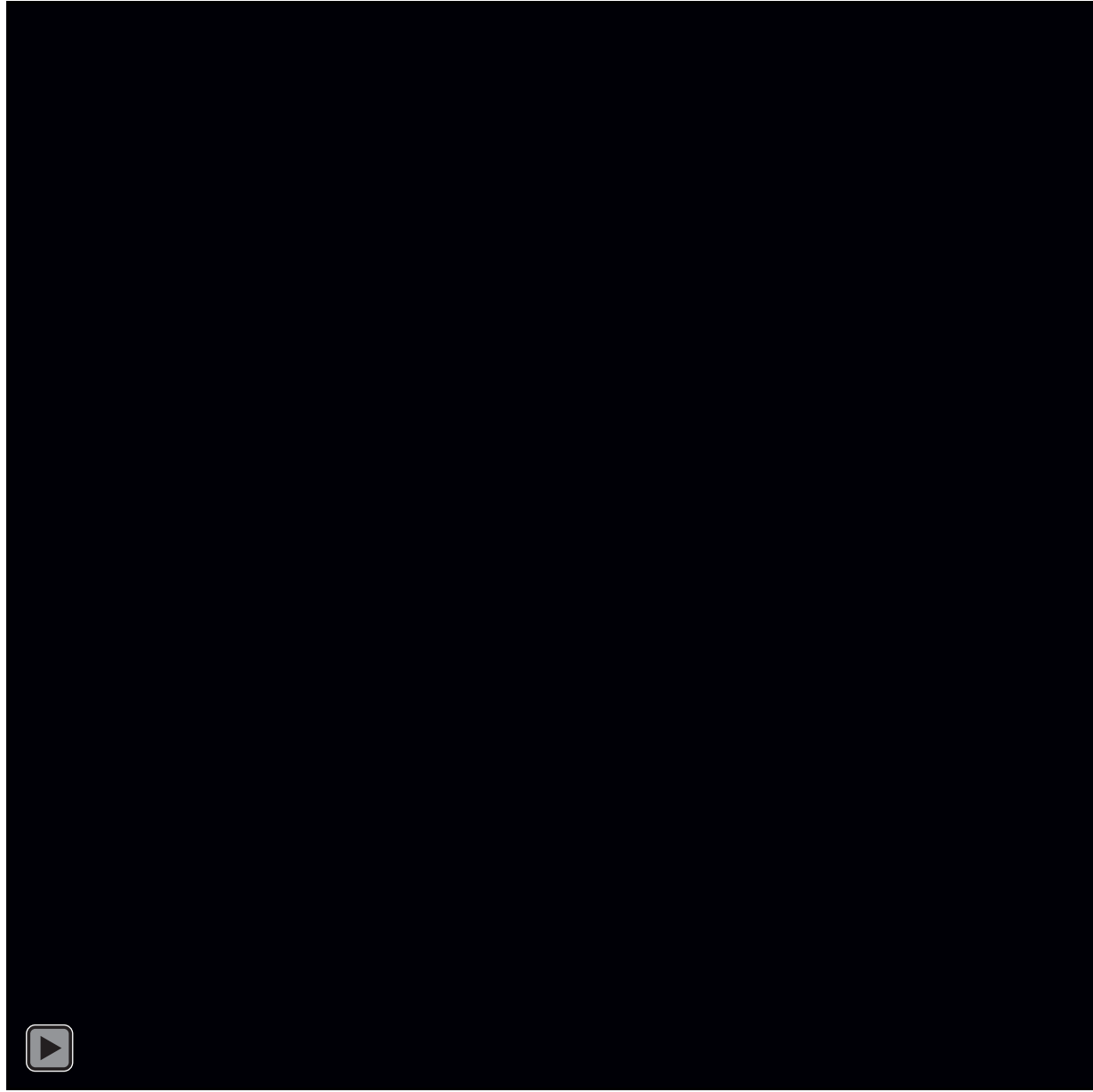
World-leading research grape to glass | 56



























# Hemp did not impact

- Canopy development
- Nutrition
- Water relations
- Berry development
- Yield





# Hemp positively affected

- Vineyard biodiversity
- Honeybee hives
- Soil organic matter
- Berry skin yeast diversity
- Wine quality





# HARK&ZANDER

New Zealand Made Hemp Skincare





HARK  
ZANDER

HARK  
ZANDER



HARK  
ZANDER  
Hemp-Tonic Face Oil  
100% Natural Oils  
Made in New Zealand  
30ml e / 1 fl oz

HARK  
ZANDER

HARK  
ZANDER  
Hemp-Tonic Face Oil

HARK  
ZANDER  
Hemp-Tonic Face Oil







11 products



### HEMPRESTORE GOOD NIGHT CRÈME

★★★★★ 2 reviews

\$99.00 NZD

or 6 weekly interest-free payments from \$16.50 with LAYBUY



### HEMPBRIGHT FACE THE DAY CRÈME

★★★★★ 3 reviews

\$89.00 NZD

or 6 weekly interest-free payments from \$14.83 with LAYBUY



### HEMPTONIC FACE OIL

★★★★★ 60 reviews

\$89.00 NZD

or 6 weekly interest-free payments from \$14.83 with LAYBUY



### HEMPLAVISH NOUR- ISHING BODY OIL

★★★★★ 9 reviews

\$79.00 NZD

or 6 weekly interest-free payments from \$13.17 with LAYBUY



### HEMPPURIFY EMUL- SIFYING OIL CLEANSER

★★★★★ 5 reviews



### ROSE QUARTZ ROLLER

\$39.00 NZD

or 6 weekly interest-free payments from \$6.50 with LAYBUY

Rewards















# For more information

---

- [Kirsty@harkandzander.com](mailto:Kirsty@harkandzander.com)
- [www.HarkandZander.com](http://www.HarkandZander.com)



# WHY HEMP?

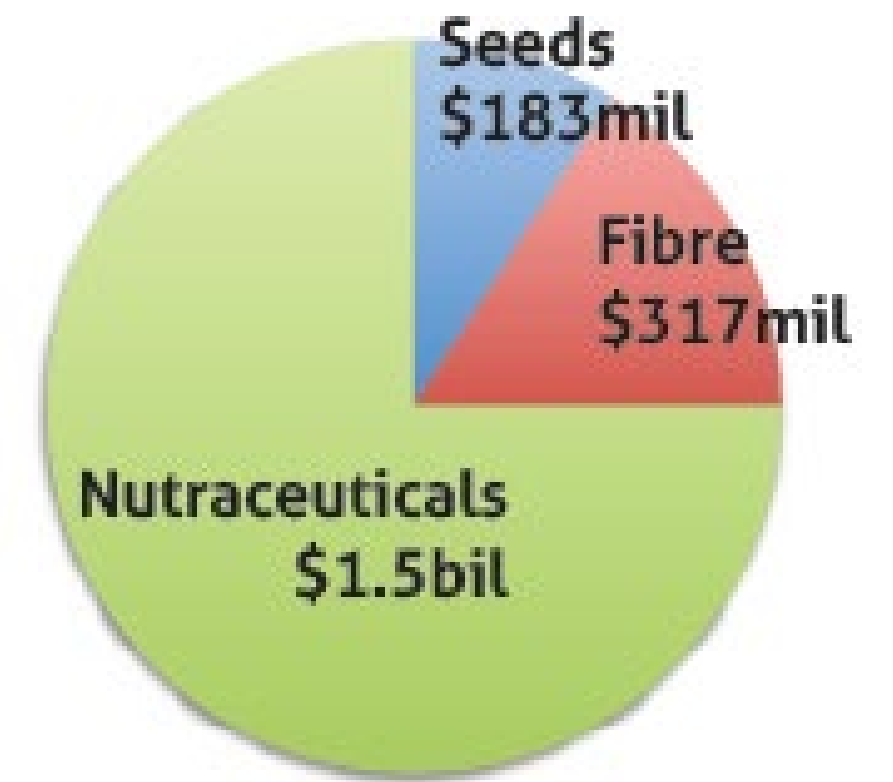
This pioneering industry is on the edge of incredible growth. We're looking for farmers, growers, entrepreneurs and businesses who want to discover how to invest, upskill and become part of Aotearoa New Zealand's next billion dollar economy.



# 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**



# Value Chain



Growers and  
Cultivators



Testing and  
Development



Processors and  
Manufacturers



Distributors and  
Consumers

Matching supply with sector demand, to scale the industry  
Where are the gaps and opportunities?



THE NZHIA

iHEMP




DISCOVERY & INVESTMENT

TOUR 2022

FOOD • FIBRE • HEALTH

# 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 change 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

[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>



THE NZHIA

iHEMP

DISCOVERY & INVESTMENT

TOUR 20  
22

FOOD • FIBRE • HEALTH

# 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.



THE NZHIA

iHEMP

DISCOVERY & INVESTMENT

TOUR 2022

FOOD • FIBRE • HEALTH

# 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.



THE NZHIA

iHEMP

DISCOVERY & INVESTMENT

TOUR 20  
22

FOOD • FIBRE • HEALTH

# 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 NZHIA  
**iHEMP**  
DISCOVERY & INVESTMENT  
**TOUR 2022**  
FOOD • FIBRE • HEALTH

# BE IN TO WIN!

Be part  
of the  
tour &  
**WIN!**

T & C's apply, see nzhia.com

THE NZHIA  
**iHEMP**  
DISCOVERY & INVESTMENT  
**TOUR 2022**  
FOOD • FIBRE • HEALTH

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



THE NZHIA  
**iHEMP**  
DISCOVERY & INVESTMENT  
**TOUR** 20  
22  
FOOD • FIBRE • HEALTH

# 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](#)

**CallaghanInnovation**  
New Zealand's Innovation Agency

 **Te Puni Kōkiri**  
MINISTRY OF MĀORI DEVELOPMENT

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

SUSTAINABILITY



NUTRITION



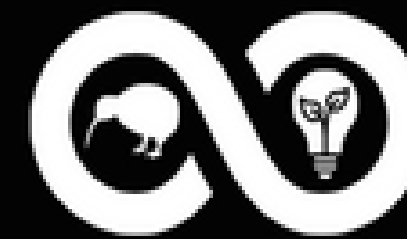
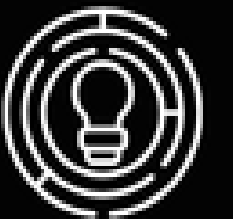
BIOMATERIALS



HEALTH



INNOVATION



**Aotearoa New Zealand  
Hemp Alliance**

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



THE NZHIA  
**iHEMP**  
DISCOVERY & INVESTMENT  
**TOUR** 20  
22  
FOOD • FIBRE • HEALTH

# WITH THANKS

With thanks to our speakers from



**HARK & ZANDER**



And regional support from





THE NZHIA  
**iHEMP**  
DISCOVERY & INVESTMENT  
**TOUR** 20  
22  
FOOD • FIBRE • HEALTH

# WITH THANKS

With thanks to our sponsors

**AGMARDT**



**NZHIA**  
Food. Fibre. Health.

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

  
**HEMP**  
NEW ZEALAND



THE NZHIA  
**iHEMP**  
DISCOVERY & INVESTMENT  
**TOUR 2022**  
FOOD • FIBRE • HEALTH

# 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