



INDUSTRIAL HEMP REPORT

PAUL BENHAIM

Hi!

Thanks for your interest in Industrial Hemp.

Having been involved in the industry for nearly 20 years now, I have seen a lot of things change, and a lot that doesn't change.

My goal today is to bring a realistic understanding of what is viable and what is not for hemp. I will not beat around the bush (no pun intended!).

You may have noticed my current offerings – books on how to grow hemp and how to build with hemp. How to do these things are not new, but how to do them properly, using the cumulative experience of many now successful growers from around the world is unique in this format. The information provided is a short-cut to make it easy for you to evaluate, clarify, and if you choose act upon your dreams.

Not full of fancy photos or more 'facts' on hemp, the information is provided as a real and practical guide for those really interested in making a difference to the planet we live on.

Before you fly away to GrowingHempForProfit.com or TheHempBuilder.com I would like to offer you some updates, for free – how have the hemp markets increased since the days of Jack Herer and his infamous, yet now out of date book [The Emperor Wears No Clothes?](#)

The difference in the growing area of industrial hemp has actually not changed too much. In Europe there is about 15,000ha (37,000 acres) per year producing about 25-35,000 ton of fibre and twice that of shivs (hurd). Though, as you will find in GrowingHempForProfit.com the opportunity is NOW.

The main uses are still in France for cigarette papers. In the 'new' hemp producing countries such as the UK, Germany and Netherlands, the main markets are insulation (about 40%) and biocomposites (40%). The main use of biocomposites are for the automotive industries. Other niche applications including the garden markets for non-woven mats. Most seed production happens in Canada. A new (European) decortication* machine located in Alberta is about to begin so they will be making fibres as well.

The most exciting technology in hemp also comes from Canada – Crailar. This is a biotechnology enzymatic process. About 200 ton of Crailar fibre is being produced per month at this time. This material is suitable for fibre. If this technology continues to succeed there is little doubt this will change the textile industry by producing a cheaper and better quality fibre where hemp will be a major provider. Crailar is working with Hains, one of the largest textile companies in the world. Hains will decide where this technology goes next. Crailar currently imports Hemp fibre from the Netherlands in Europe until they have enough local fibre.

The Chinese are not so easy to get information about their current hemp activities, however about two years China cultivated a lot of hemp for what was a large deal for the Chinese Army. The army wanted good quality hemp fibre for textiles on a large scale. It is said that at the last moment the army decided not to use the fibre and invest in more weapons instead. Hemp or weapons? So this has left 200,000 ton+ of (apparently high quality) fibres in storage. The Chinese are interested in increasing the hemp industry over there, though due to this recent activity the next few years maybe quiet.

The main problem in China, like everywhere else is mechanical decortication.

*Decortication is the process of separating the bast fibre from the inner core. They have everything else worked out well – growing, harvest, and the creation of great textiles.

The best decortication machines though are based in the UK and South of France, made by Belgium and German companies. They work very well at about 8 ton per hour. But they are too expensive for the Chinese who are trying to develop their own machinery right now...

In 2010 the UK has more capability in their decortication facility than they have under cultivation – an excellent opportunities for growers.

Although most markets in hemp use either the bast fibre or the inner core (shiv/hurd), there are some [new building technologies](#) using the whole stalk. The problem for this technology has been with cutting the strong hemp stalk. This has been overcome by the way the Australian's adapt widely used cutting tools. Another wet process also exists in Germany where they are also making construction materials and biocomposites using silage. There is a similar method for corn and feed in Australia. However, this German method may not be commercial as the process takes a few weeks and requires a lot of storage space. The material has been used in particle board technology – making a great ecological and light material for camping, cars and boats.

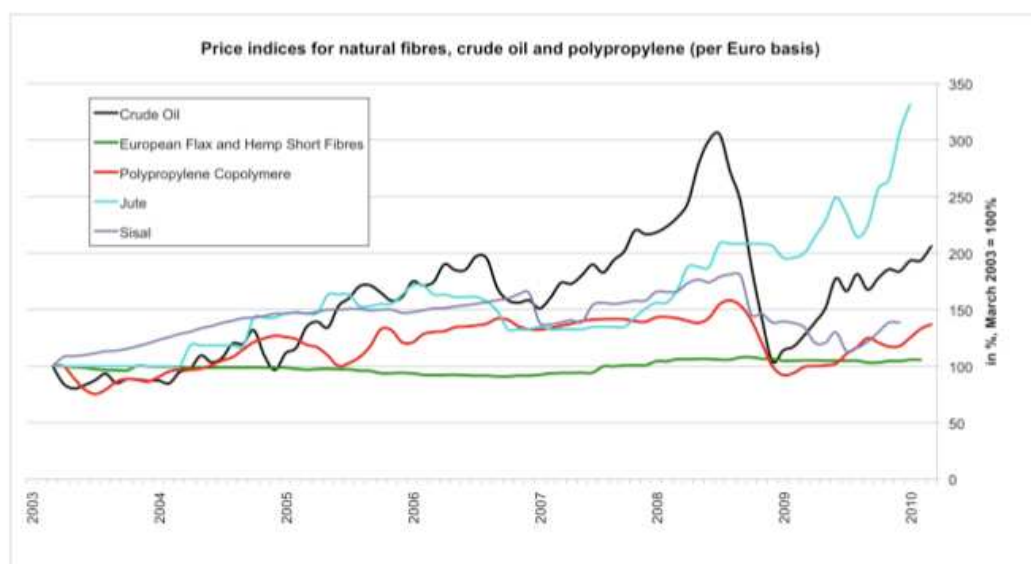
Particle boards can easily be made in any particle board manufacturing plant using the hemp hurd. This has been happening in Europe for over 100 years. The quality of using hemp is excellent, though whilst the price is still higher than normal particle boards it is a question of market demand or niche marketing.

A lot has been said about 'infield decortication' over the years. As far as I know, all of the projects, both in large and small companies have failed. A good fibre decortication requires large investment and big machines. The same kind of machines are required if you need to use it on or off the field. So why would you invest in a machine on a field that you can only use for a few weeks, when you could store it in a facility and use it all year round for stored hemp. Also, most infield decortication test machines I have heard of throw away the hurd as it is a low value and bulk product. For the overall financial viability of a hemp production facility you need this hurd, and keeping this on field is not easy. Another reason I see this as unlikely is such heavy machines do not move easily on a field if it has rained. And rain it does. [Claas](#) was one of the big German

companies who tried this in the 1990's and made a working machine, but it failed to sell due to these problems – so they ended the item.

A market that is currently growing fast is the insulation market. Although hemp insulation is 3-4 times more expensive than glass fibre, there is support by the local, state and national governments to support natural fibre insulation materials. I believe this will grow very large, particularly with new air laid technology (unlike the usual needle punch technology) found in the UK, France and soon Netherlands.

[Hemp plastics](#) are also growing very fast. Hemp is an excellent natural way to reinforce plastics and is an alternative to glass fibre reinforcement. New technologies are allowing hemp to be used in a wider variety of plastics, including blending Hemp and Polylactic Acid (PLA) to produce a totally biodegradable strong plastic. Hemp and polypropylene (PP) is still the most popular blend. Apple Inc. have been making trials with similar products, though nothing has been commercialized yet. Trials with PLA and bast fibres (including Kenaf, Jute and Hemp) have been used by Toyota and NEC to produce mobile phones, though there is no commercial production yet. The benefit of blending PLA with hemp is that PLA is not usually thermal stable. PLA cannot usually go above 60 degrees Celsius. With hemp reinforcement this can be increased to 210 degrees Celsius. Although the knowledge is there, this blend has not been commercialized yet, but expected soon. Today, at least 25,000 ton of hemp plastic is being used per annum. The market is growing around 10-20% per year and we expect that political support for the natural fibre based plastics industry will assist this industry to grower larger, and faster than it has to date.



As to the potential of hemp, well it comes down to creating the market, and this is why I am passionate to bring you www.TheHempConsultant.com where I will personally invest my time in assisting those wanting to turn their hemp dreams into real and successful business by using proven techniques that have helped many others in regular business' succeed above all others. Having 6 figures on educating myself in these methods over the years with various international companies I want to share this with you at embarrassingly low prices. It is not

because I no longer value the information, it is because to make hemp a successful industry we need to succeed in mainstream industry.

If there is one tip I could give you now then that is to arm yourself with the very best information available. Spend what you need on books* and information to learn what there is to know. There is nothing more valuable than knowledge as that will be your foundation to creating your dreams. There is in fact just one more thing that you need to create a successful business, and with that I can guide you in a near fool-proof method to create what will in time be a business growing with the success only hemp can offer. To find out what that is join me at www.thehempconsultant.com

Books such as [Growing Hemp For Profit](#), and [Building With Hemp](#) and the various hemp market reports that come with [Building With Hemp](#) will make a huge difference in your success.

Of course, A Modern Introduction To Hemp, if you have not read a concise and clear overview of the hemp industry will be invaluable. You can source that from any of the above sites or at www.hemp.co.uk

By the way, if you join the [Building With Hemp](#) mailing list you will receive a free formula for creating your own hemp binder. Have fun and be safe ☺

Whatever you choose to do, choose it for you and Plant Earth as you are one and the same.

Hempfully yours,

Paul

Ps. If you have not already purchased [Growing Hemp For Profit](#) – are you going to be one of the ‘it was a good idea if someone else done it?’ or are you going to be one of the ‘I told you so, look how much I profited and assisted the problems that nearly...’

P.p.s. By purchasing [Growing Hemp For Profit](#) or [Building With Hemp](#) you gain an automatic advanced position in the personal mentoring program for The Hemp Consultant and special offers related to the industry. In business they say it is who you know, and I know a lot of people I would love to network to you, so become a privileged member today and invest in your future, educate yourself now with [Growing Hemp For Profit](#) or [Building With Hemp](#)

P.p.p.s Can't decide which book to start with – I recommend [Growing Hemp For Profit](#) as the foundation to our growth starts with a seed...

Hemp Shopping Guide

Hemp Foods

Hemp Protein Powder

This Hemp Protein Powder has a gourmet nutty flavor that tastes so good you can eat it straight from the jar. Use it to create delicious shakes, add it to juices, smoothies and green drinks. Buy 100% raw, cold milled Hemp Protein Powder from [here](#)

Hemp Seed Nut

Otherwise known as shelled hemp seeds – these are the tastiest and most pure way to enjoy the drug-free nutritional qualities of hemp seeds. A complete protein (35%), omega 6 and omega 3 Essential Fatty Acids (35%) and is a source of GLA (1%). These are delicious sprinkled on salads, cereals, yogurt or cooked grains. I eat it straight from the bag!

This hemp seed nut is cold mechanically pressed and packaged without additives or preservatives and grown without herbicides or pesticides from Non-GMO hemp seed. So what are you waiting for? Buy now from [here!](#)

Hemp Seed Nut Butter

Like peanut butter or tahini, but tastes better and is much better for you as nature's source of complete protein (35%) and Omega 6 & 3 Essential Fatty Acids (35%). May be spread on breads, bagels, crackers and croissants.. So [get some now!](#)

Hemp Seed Oil

Certified Organic Hemp Seed Oil is nature's richest source of the Essential Fatty Acids (75%) and is a rich source of GLA (3%). Hemp Seed Oil is preferable over flax seed oil as it offers a good balance of Omega 6 to Omega 3 fatty acids (3.75:1) so it is suitable for life long consumption. And you will have a long life. Tastes a lot better than fish oils with a mild nutty flavour. Can be eaten straight (I do) or added to juices, smoothies, soups and sauces. It is a great base to any salad dressings. Hemp Oil is not ideal for frying. Also available in capsule format. Go [here](#) to buy now.

Ruth's Hemp Foods

Ruth has been producing hemp foods for as long as I have been in the business, since at least the 1990s. As a pioneer in the business Ruth really knows what she is doing. Ruth promotes all the great omega-3, 6 & 9 foods including Chia and Flax – two great hemp like (nutritionally) ingredients. Of

course you can find hemp snack bars, hemp oil, hemp protein powder and bulk products all from [here](#).
Buy hemp from Ruth [here](#).

Hemp Cosmetics

Hemp oil is used as the base of cosmetic products because it helps make the skin feel young, and smooth. Hemp Oil has been shown to improve eczema and other dry skin ailments. Hemp Oil in cosmetics is absorbed by the skin and after a short while of using such products I am sure you will notice the difference yourself.

A great range of hemp cosmetics is available via www.hemp.co.uk - shipping worldwide.

Hemp Jewelry

Want to share something special and let them know you care about the planet as much as you do them? You will want to tell that to yourself when you find Phat Hemp's excellent range of Hemp Necklaces, Bracelets, Jewelry for men and women. Lots of one of a kind eco friendly jewelry found [here](#).

Cannabis Seeds

For growing medical marijuana – where legal only. One of the largest Dutch marijuana seed suppliers based in Amsterdam offers of 30 classic strains from the place where high quality breeding has always been an art. Don't waste your time with inferior seeds, buy from [here](#).

Got a problem with smoking?

The cannabis coach is here to help you stop smoking cannabis. A 100% guaranteed risk-free program is available [here](#) – please share with anyone that has a problem smoking cannabis.

Hemp Clothing

At the time of going to press we were updating our recommendations for hemp textiles and clothing. You may visit the relevant page at www.hemp.co.uk for more information or [contact us](#) directly to find what you are looking for.

Hemp Plastics

From the original www.hempplastic.com site you will find opportunities for access to hemp plastic materials, products and more. Go there now!

Hemp Fibre, Industrial Hemp Growing Seeds, Hemp Stalk, Hemp Mulch, Hemp Insulation, Hemp Building Products and more

All available from www.hemp.co.uk

The Hemp Network Business Opportunity

The Time For Hemp Is Now... Join The Hemp Revolution!

The Hemp Network represents the first marketing distribution channel in history that will provide consumers with hemp products on a direct sales and a network marketing platform.

We are in an industry that has been around for thousands of years, with new uses for hemp being constantly developed. The use of hemp is growing dramatically and will continue as more recognized uses occur.

Over the past few years it has become apparent that with the increasing pace of new products hitting the market, there is a need to move those products throughout the world at a very fast rate.

The Hemp Network has been formed to provide a marketing vehicle for massive global distribution of these new products and services as they hit the market, which is imperative to capture market share.

Expectations are that our marketing team will become a major force in the exploding hemp product marketplace... and we are offering individuals like you the opportunity to capitalize on this exploding market.

The Hemp Network offers the winning combination of product, people, management and vision to all work together to create a very large global marketing company with our agents earning income from people spread around the world.

There has never been a more perfect time to take advantage of an industry that has been around for thousands of years, with products derived from hemp being used by millions of people today. Over the past few years it has become apparent that with the increasing pace of new hemp products hitting the market, there is a need to move those products throughout the world at a very fast rate.

Join our very special team and get unique support for your new business! Go [here](#) now.

**FIND MORE BOOKS ON DIFFERENT PARTS OF THE
HEMP INDUSTRY AT**

www.hemp.co.uk

www.hemp.co.uk