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Sent: Wednesday, 16 March 2011 8:48 PM
To: standards.management
Subject: FSANZ: Applications and Submissions - Submission [SEC=INCONFIDENCE]



FOOD STANDARDS
Australia New Zealand
Te Mana Kounga Kai - Ahitereiria me Aotearoa

FSANZ: Applications and Submissions - Submission

Wednesday, 16 March, 2011

- 1. Assessment Report Number:** Application A1039 –
- 2. Assessment Report Title:** Low THC Hemp as a Food
- 3. Organisation Name:** Industrial Hemp Association NSW Inc
- 4. Organisation Type:** Consumer Group
- 5. Representing:**
- 6. Street Address:** 3 Luton Place ST IVES NSW 2075
- 7. Postal Address:** as above
- 8. Contact Person:** Maria Katelaris
- 9. Phone:** 0408244569
- 10. Fax:** 02 99839857
- 11. Email Address:** IHA@hempuse.com
- 12. Submission Text:** http://hempuse.org/?page_id=17 posted on INDUSTRIAL HEMP ASSOCIATION NSW INC website.

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17/3/11

From: standards.management@foodstandards.gov.au
Sent: Wednesday, 16 March 2011 9:26 PM
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Subject: FSANZ: Applications and Submissions - Submission [SEC=INCONFIDENCE]



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12. **Submission Text:** Food fight As the cost of filling the family fuel tank creeps up, (is Easter upon us already?) you may look to the turmoil in Libya as the cause of world oil prices pushing steadily higher. When you fill your shopping trolley and suspect the cost of your food bill has risen too, who should you blame? Oil may be rising because of geopolitical problems but commodity prices generally are all heading upwards. The headlines are dominated by news of iron ore and coal price negotiations with steel-hungry emerging economies, but food prices too are being driven higher by several factors. The Food and Agriculture Organisation (FAO) is the United Nations' food research institution. It says some food prices have more than doubled this year after weather problems in key producing countries curbed production of wheat, corn and sugar. The FAO's Food Price Index is a measure of the monthly change in international prices of a basket of food commodities. It consists of five commodity group price indexes – sugar, oils and fats, cereals, dairy and meat – weighted by export share. The February reading of the FAO Food Price index showed prices had risen for eight consecutive months to its highest level since the FAO began monitoring food prices in 1990. A chart of the index components is shown below: Global food consumption has been rising at an average of around 2% per annum. It was only marginally affected by the GFC, according to the FAO. World food production, on the other hand, has been more volatile. After rising 2.6% in 2007 and 3.8% in 2008, world food production is forecast to have grown just 0.8% in 2010. The rising cost of staple foods could once again push the number of chronically hungry people above 1 billion as occurred in 2009. As more countries become vulnerable to climatic events, the production of food is becoming less reliable. The FAO says more investment in agriculture is required by governments around the world. With this as a backdrop, the US Congress is

Industrial Hemp Association NSW Australia

Promoting use of Hemp

Discover the superfood power of hemp

http://www.naturalnews.com/030981_hemp_superfood.html

(NaturalNews) Foods that have an incredible array of health benefits that go well beyond just their nutrient value are considered 'super-foods.' One of the oldest and yet seemingly most misunderstood superfoods on the planet is hemp. Hemp is an incredible multi-purpose plant that can be used for anything from paper, rope, and cloth. It is also one of the most nutritionally well-balanced foods on the planet.

Although many people associate hemp with its sister plant marijuana (*Cannabis sativa* L.) the two are not the same. Hemp products come from a special variety that contains virtually no THC (tetrahydrocannabinol), which is the chemical that gives marijuana its psychoactive effects. Therefore hemp is a perfectly safe food that will not make one "high" or cause anyone to fail a drug test.

Hemp has been cultivated and used by many ancient cultures since the beginning of recorded history. Researchers have found its use in China, India, Babylonia, Persia, Egypt, and the native cultures in North & South America. Hemp fiber was used to make rope and cloth, while the stalk was used to make paper. These cultures also used the seed for nutritional purposes. It can be eaten as shelled seeds, oil, butter, flour, and protein powder.

Hemp protein is one of the very few plant based complete protein sources. This means that it contains sufficient quantities of all 9 essential amino acids. Hemp is a great source of sulfur containing amino acids methionine and cysteine, which are necessary for cellular detoxification and the production of vital enzymes. Additionally, it is rich in branched chain amino acids that are needed for muscle growth and repair.

Almost 60% of the protein in hemp is made up of a globulin source called edestin. Most of the rest is in the form of albumin. Albumin and Edestin have a very similar molecular makeup as the protein found in the human body. Because of this common link, hemp protein is very easily absorbed into human blood and used for roles as critical as DNA repair.

Most of our world is suffering from abnormal fatty-acid ratios. Two critical forms of essential fats are the omega 6 and omega 3 varieties. Due to the heavy consumption of processed vegetable oils and grain-fed meat & dairy products most people have very high levels of omega 6. The World Health Organization recommends a 4:1 omega 6:omega 3 ratio. The typical western diet produces a ratio from 20:1 – 50:1. Abnormal ratios cause heavy increases in inflammation that lead to accelerated aging and advanced disease states.

Hemp contains the optimal ratio of 3.75:1 (omega 6:3) making it a powerful source for an anti-inflammatory diet. Hemp is also a great source of the omega-6 essential fat gamma linoleic acid (GLA). GLA is only found in quantities of significance in hemp, borage oil, evening primrose oil, black currant seed oil, & Spirulina. Because of the scarcity of GLA much of our society is deficient in this essential fatty acid. GLA is critical for reducing inflammation in our body and is one of the most powerful nutrients for balancing hormones. Additionally, sufficient quantities of GLA promote healthy skin, hair, & nails.

GLA significantly increases metabolism by encouraging stored fat known as brown adipose tissue (BAT) to be effectively used for energy. Additionally, GLA activates the metabolic process by providing key nutrients for the cellular energy system called the sodium-potassium pump. When the sodium-potassium pump is effectively operating in every cell it can remove toxic substances from deep within the cell structure. If the pump is weak, cells will store toxins and the metabolism will be slowed.

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