



The seed of possibility

Hempco Farmer/Supplier Standard Operating Procedures (SOP)

Contents:

1. Health Canada Permits and Certifications
2. Contract expectations
3. Planting seed supply
4. Seeding
5. Harvesting
6. Cleaning
7. Equipment
8. Inputs
9. Storage and Transportation
10. Payment
11. Monsanto solutions

1. Health Canada Permits and Certifications

Industrial Hemp is still categorized as a controlled substance under Health Canada regulations and requires a permit for growing and handling. You will also be required to pass a criminal record check. Contact hemp@hc-sc.gc.ca 613-954-6534 and download application form from their website, fill it out and visit your nearest RCMP detachment and they will walk you thru it. Send everything to the address on the Health Canada Hemp website... c/o Beatrice Lee or whoever is in charge at that time.

With your permit, Health Canada will require legal land description and GPS coordinates of the corners of each of the properties you intend to plant hemp on. The Approved Cultivars list which is also downloadable has a list of seeds that do not require THC testing... please choose from those. Hempco will discuss with you which ones we prefer at that time and guide you for best results in that area.

If you are an organic grower, make sure you update your organic certificates and provide updated copies to our office with each load of org hemp seed delivered.

If you have committed to the SAFE certified program = Beyond Organic, take soil samples from your planned hemp fields, get it analyzed as per your consultations with Ed Mayer at www.bioagronics.com and as per your assessment, purchase inputs he recommends and receive confirmation of SAFE participation. See SAFE overview.



The seed of possibility

2. Contract Expectations

Read the Grower Contract carefully and ask questions so that you are clear to its meaning and intent. Crop specifications must be adhered to, in order to receive full payment, lesser quality means discounted payment.

3. Planting Seed Supply

- Hugh Campbell - Terramax Farms. 306-699-2967 terramax@terramax.sk.ca
- Kevin Friesen - Hemp Genetics. 604-607-4953 hempgenetics@gmail.com
- Keith Watson - Parkland Hemp Co-op. 204-629-4367 pihq@mts.net

4. Seeding

Prior to seeding, most farmers must deal with weeds first. For best weed control spray with glyphosate free herbicides. SAFE certified means no chemical sprays directly on the hemp plants. Organic means no chemical sprays at all, roll and mow down the weeds and mulch them in... zero till is best. Feeding soil whats missing.. reduces weeds naturally and is cheaper that using toxic chemicals.

Speak with planting seed suppliers to arrange for most appropriate seed for your climatic region and soil conditions. Hempcocanada grower support, seed suppliers and Ed Mayer will help decide which inputs are best. Seed is planted at 25-30 lbs per acre, use of seed drill and zero till is best. Finola is 30-35 lbs per acre. Seed ½ inch depth or less into warm soil. Space seed rows 12 inches apart, with fertilizer and inputs down the center of the row... make the plants roots stretch for it... minimal amounts needed... not too close to seeds as it reduces germination. Add NPK (Nitrogen, Phosphate and Potassium) and Bioagronics.com soil supplements for chelation of nutrients and quick sprouting. Plant in late May, reseed in June if needed. Later planting means less fungus / sclerotinia. Thicker planting in windy areas.

No hard pan or heavy clay or you need drainage – hemp prefers sandy loam soil. Over hayland is great! Alfalfa or grass or clover or use even alfalfa pellets for nutrients. Fava beans are excellent rotation crop. Best is radish cover and tillage crop to alkalize the soil! Pea cover and tillage is very good as well. Plant after rain – germinates quick, doesn't like wet feet.

Crop and reseed insurance should be investigated. Speak with your broker about costs and deadlines.

5. Harvesting



The seed of possibility

Harvest when at least 70% ripe, best is after first or second frost, especially if late planted. Harvest at no more than 15% moisture and slow dry to 8.5% moisture asap, DO NOT overheat. 150-160F dryer first half, 120-130F second half, then rough clean it and store at 8.5% moisture under aeration, avoid too dry and shell cracking. Clean to 99.99% and deliver with Sanitation Affidavit and Farmer Report filled out, organic certificates if organic crop and weigh bill attached.

Stubble – bail it for fiber processing. Check to see if Hempcoco can take it, or: roll and rake it and burn it next spring... bio char is excellent food for soil!

6. Cleaning

Make sure the seed cleaners use a #8 round screen to clean and separate hemp seeds. Destoner also is very good at separating wheat! Size to 5 slot for hulling. Maximum 1 wheat maximum 1 kernel per lb! Hemp is gluten free... and we want to keep it that way.

facilities list

Terramax – Hugh Campbell (org)
<http://terramaxseeds.com/>
Q'uappelle SK near Indian Head
P: 306-699-2967

Lorne Hulme Agra (org)
<http://www.hulmeagra.ca/>
MacGregor MB R0H 0R0 South on hwy 350 4.5 km
P: 204-685-2627 C: 204-871-4666 F: 204-685-3163

Mei-West Enterprises - MB Heinz, Robert Nolting
Box 87 R0H 1E0 Rosser, MB Canada
Phone: 204 467-5922 Fax: 204 467-7374 P: 204-781-0853

Triple S Seeds - Troy Story
<http://triplesseeds.ca/>
Gilbert Plains MB
P: 204-546-2590

Rod Fisher – Fisher Seeds
<http://www.fisherseeds.com/>
Dauphin MB
P: 204-622-8800



The seed of possibility

Lyle and Landon Larsen – Larsen Seeds
Box 39 Aylsham, SK S0E 0C0
Ph: [306-862-7333](tel:306-862-7333) Fax: [306-862-9552](tel:306-862-9552)
Email: larsen@sasktel.net

<http://interlakeforageseeds.com/>

Alberta Seed Processors Association
<http://seedprocessors.ca/about/>
Monica Klaas General Manger,
5030-50th Street Lacombe, AB
Office: 403- 489-9999 Fax: (888) 446-5853

<http://www.seed.ab.ca/plants/Morinville/>

Mick Patton lscp@xplornet.com 780-386-3771
north of Edmonton

Ray Agrey, Parkside SK ([306-747-2753](tel:306-747-2753)). org

Clancy Seeds, Carrot River SK ([306-768-3566](tel:306-768-3566)). org

7. **Equipment**

- John Deere 9600 – very good
- Case 2280 – very good
- New Holland is best -try the CX 8080 or 8090
- Make sure bearings are covered and header is protected
- PVC pipe over shafts
- Clean and protect air intake

8. **Inputs**

- 200 lbs nitrogen per acre (hemp will take 130 lbs per acre)
- 84 lbs phosphate (hemp will take 31 lbs per acre)
- 130 lbs potassium (hemp will take 80 lbs per acre)
- 15 ppm phosphorus
- Bio char is the best! – make equipment to burn the stocks and make char and spread it. University of Alberta research. Dr Zhi Li on fiber info.

9. **Storage and Transportation**



The seed of possibility

- Aerate and turn once in awhile.
- Max 9% moisture... should be 8.5 or less.
- Do not store or clean or transport with wheat or wheat dust
- Bail fiber and store in piles – weather helps break it down

10. Payment

- 30 net after delivery or pressing or hulling begins if storage time is needed
- Pay .5 cents per lb per month storage to farmers starting January 1

11. Monsanto Solutions

<http://www.ecosnippets.com/environmental/patent-that-could-destroy-monsanto/>

If you have any good discoveries/updates... please send them to me so I can update this document.

Thank you for growing with us!

Sincerely

Charles Holmes, CEO