



Thank you for your interest in growing hemp seeds for Victory Hemp Foods. We hope this information will be helpful and both help you make a decision and grow strong crops of hemp seeds. This information is based on university trials and experienced growers across the U.S. and Canada, including eastern Canada.

HEMP GRAIN GROWING BASICS

Economics

Seed per acre 30-35 lb.

Seed cost per lb.: \$2.50 - \$4.00/lb

Expected Yield 800-1200 lb./ac

Contracting for grain:

Conventional at \$.70/lb.

Certified Organic at \$1.10/lb.

Soil Conditions:

- Well drained, light moist
- Adequate soil temperature (≥ 50 F)
- N 78-118 lb./ac
- P 40 lb./ac
- K 60 lb./ac
- S 15 lb./ac

Rotation: Does well after soybeans or alfalfa but can follow anything with appropriate soil nutrient levels.

Seeding

Precision seeding is important to establish target density

- Conventional seeding equipment can be used:
 - air seeders/drills
 - hoe-press drills
 - disk-pressed drills
- Air delivery systems
 - use low volume of air to avoid seed cracking (mortality!)
- Hemp benefits from packing after seeding (i.e. press wheels) that creates good contact of seed with soil.
 - 7-16 inch rows
 - Seed Rate 25-30 lb./ac
 - Planting depth .5" $\lt; 1$"
 - Both conventional tillage and no-till protocols work.

Harvest: When approximately 70% to 80% of the seeds are ripe

Combining: More information is available and will land in the next version of this.

Post-Harvest Handling:

Critical to dry down starting within 4 hours of harvest. From 12-18% down to 7-9%.

Clean to 99.5%.



What Equipment Do I Need to Own or Access?:

- Combine with draper head
- Grain handling auger etc.
- Grain dryer or grain bin with dryer floor
- Grain cleaner
- Grain bins

Minimum Number of Acres: 10 if it is as a trial toward 100 or more within three years

Permitting: State industrial hemp permit only required given that VHF provides seed

Quality Standards (summary – see contract)

Minimum seed size	2mm
Moisture content	<9.0%
Purity	>99.5%
Yellow meats after hulling	<2.0%
Orange or brown meats after hulling	0%
Sclerotinia	<.1%
Evidence of rodent infestation: feces, evidence of feeding	None
THC	<10ppm
Gluten	< 20 ppm
Peroxide	< 2.0 meq/kg

Herbicide and pesticide screenings: Currently, there are no in-crop registered pesticides, herbicides, insecticides or fungicides in the US to produce hemp for food and our customers expect zero presence of these chemicals.

Delivery: We will together determine delivery schedule. Storage charge will be paid after a certain date. Payment net 30 days.

For more information: To contact us and start a discussion about growing hemp seed for Victory, please fill in the “Want to Grow Hemp For Victory?” form on our web site. Click the link on the “Grower Information” page. Additional growing details will be available.