



We Grow the **Legacy** of Industrial Hemp.



X-59 (Dual: Grain/Fiber)

- Height: 5-7 feet
- Vegetation Period: 110 days
- Fiber Content: 30 – 32%
- THC Content: <0.3%
- Decious

Crop Potential

- Grain: 800 - 2000+ lbs / acre
- Straw: 1-2 tons / acre (after grain harvest)

Grain Characteristis

- Large Grain Size
- Supurb Shatter Resistnace
- Sweet Nutty Flavor

BE A PART OF THE LEGACY.

Legacy Hemp offers the crown jewel of hemp grain: X-59. With its **sweet nutty taste**, **superb shatter resistance**, and **high nutritional density**, X-59, also called hempnut, is the perfect grain for a variety of your food and non-food products alike. X-59 is more than just grain; the entire hemp plant is useable. Thousands of products are made from hemp including food, cosmetics, building materials, electronic components, textiles and other fiber-based products. With so much potential in hemp we want you to work with us to grow the legacy of hemp from the seed up.

THE GOODNESS IN THE GRAIN.

The sweet nutty flavor of X-59 alone may be enough to capture your interest, but the fact that our hemp grain is highly nutritious will surely capture your attention. X-59 grain contains a bodily ideal ratio (3:1) of **omega-3 and omega-6** essential fatty acids (EFAs). These EFAs are necessary to support our heart and brain health, but are molecules that our bodies do not naturally produce on their own. Not only this, but X-59 has such a **high protein content**, that it rivals soy. Hemp contains a **complete protein** profile of all 20 amino acids, the building blocks of all tissues in our bodies. One of these amino acids, arginine, which is rich in hemp grain, has been shown to be linked to a decreased risk for heart disease. Also, over 25% of the calories from X-59 hemp grain come from this high quality protein, helping to fuel your day and keep you lean. Hemp grain truly is a super food!

X-59 IS THE NEXT INDUSTRIAL GRAIN SUPERPOWER.

The large seed size and **strong shatter resistance** makes X-59 the perfect candidate for largescale industrial applications. X-59 grain can be pressed for oil that contains properties desirable in cosmetics and more, leaving behind a nutritious protein base to find use in animal or human consumption. With organic, all-natural, health, and vegan food movements on the rise, X-59 hemp grain will aid in keeping people healthy and strong. From cosmetics, skin care, protein powder and granola, X-59 is the grain that can do it all.

X-59 in a nutshell:

- Sweet nutty flavor
- Good shatter resistance
- Nutritiously dense
- Moderate season (~110 days)
- Resilient crop
- Seeding rate (~30 lb per acre for grain)
- Fast growing, shades out competing weeds
- Grain is profitable, fiber is an added bonus
- Low THC (<0.3%), meets standards
- Conventional planter and combining equipment
- Rich in vitamin E, phosphorous, iron, zinc, calcium, sulfur, potassium, and magnesium
- Great for the Soil!
- Secure profit margins





Growing the **Legacy** of Industrial Hemp.



For more Information
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CHOOSING LAND.

X-59 grows well on a range of soils, but grows best in fertile sandy and loamy soils that is rich in organic matter with a pH level between 6.0 and 7.5. You will want to choose land free of herbicide residues. The seed bed should be fine, mellow and uniform. Do not choose soils low in organic matter or poorly drained. X-59 performs well following soybeans, alfalfa, and other legumes, small grains, and potatoes. Hemp should never follow spice crops. Hemp grown after sunflowers and canola can increase sclerotinia pressure.

Seeding

Seeding can start as early as the first week of May since hemp is tolerant to light spring frosts.

However, average soil temperatures around 50°F promote rapid emergence. can increase grain yield. Late planting (first 2 weeks in June) has still achieve reasonable production and give better weed control. X-59 can directly into standing stubble at ½ to ¾ inch seed depth.

Early seeding
shown to
be seeded

Harvest

Prior to harvest a total clean out of the combine, hoppers and augers is a must. By doing so this will prevent any cross contamination. As X-59 starts to mature, the seeds will turn a tan-brown color and have a striped like look to it. The seeds will also become resistant to compression. The larger outer green leaves will begin to turn brown and fall off, this occurs at 10-15% moisture level of the grain.

Most producers have chosen to straight cut X-59 instead of swathing because swathing has many additional challenges. A draper header is preferred to reduce the loss of material. The dryer the hemp grain is the worse the plant wraps around equipment. For easier throughput, combining at 16 to 19% grain moisture will reduce wrapping.

Storage

Foreign material should be cleaned out from hemp grain before storage. It is important to dry hemp grain down immediately with aeration after combining. This will reduce the chance of spoilage due to hot spots or excess moisture. Getting the grain down to 9% moisture is ideal for storage.

