PRODUCED BY

Sunn Global Biologics LLC
An American Company

SUNN HEMP SEED

SUPERIOR PURITY & GERMINATION

For Technical & Application Data
www.SunnGlobal.com
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David Weaver
Managing Director

NITROGEN FIXING
WARM SEASON
FAST GROWTH
LEGUME

Global SUNN® Brand

PREMIUM GRADE
SUNN HEMP SEED
(Crotalaria juncea L)
The Trusted Brand

DIRECT FROM PRODUCER/IMPORTER - DISCOUNTS

We Ship From Our Warehouse Any Size Order
From One 50 lb. Bag to Full Container Loads

NITROGEN Global Sunn® has added 140+ lb/ac (160+ kg/ha) of actual nitrogen per acre to the soil when grown for 60-70 days, then incorporated in test plots.

ORGANIC MATTER Global Sunn® can produce as much as 2.5 tons/ac (5.6 mt/ha) of air-dry weight within 60-70 days if growing conditions are favorable.

NEMATODES SUPPRESSION Global Sunn® (Crotalaria juncea) is resistant to root-knot nematodes (Meloidogyne spp.). Research shows root-knot nematode populations reduced, a result of sunn hemp being an unsuitable host.

Excellent
Soil Building Applications:
Vegetable Producers
Broad Acre Cash Crops

A High Value Cover Crop & Rotation/Break Crop

For Vegetables, Strawberries, Organic Growers & Broad Acre Acre Crops

Global Sunn® is a good break crop between vegetable and strawberry crops. It does not host root-knot nematodes *(Meloidogyne spp.)* and is shown to help reduce nematode pressure on cash crops. It is a fast grower. In 45-60 days it will produce large amounts of biomass, helping add organic matter to loose, sandy soils, while generating significant amounts of soil N.

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Sunn Global Biologics LLC

Global Sunn® Tech Sheet & Planting Tips

SGB Variety: GSP-02T

Global SUNN® Brand

Sunn Hemp *(Crotalaria juncea L)*

Sunn Hemp Seed (Crotalaria Juncea) - Sunn Hemp is a fast growing nitrogen fixing legume. Sunn Hemp is used for green manure forage, organic soil building and cover crop applications. Sunn Hemp provides as much as 2 1/2 tons per acre (5.62 mt per ha) of green tonnage with up to 100+ units of Nitrogen fixation per acre in as little as 60 days. It is also known to suppress nematodes.

Sunn Hemp is much easier to get incorporated into the soil when needed than sorghum, cow peas, and many other cover crop varieties. Sunn Hemp is the next generation cover crop for the vegetable farmers.

Seed Rate: 15-25 lbs. per acre (15-25 kg per Ha) if drilled. Broadcast method is not recommended unless covered with 1/4 - 1/2 inch (.64 – 1.27 cm) of soil. Note: The higher seeding rates up to 30-35 lbs. per acre (30-35 kg per Ha) should be used if the crop will be terminated in less than 60 days or if severe weed competition is expected.

Seeding: After the last chance of frost in the spring and after soil warms up.
Ideal Soil Temp: Above 69 F. (20 C)
Seed Depth: 1/4 - 1/2 inch (.64 – 1.27 cm)
pH: 5.5 - 7.5
SPECIFIC Inoculant: Cowpea or peanut type rhizobia bacteria
Uses: Cover Crop & Green Manure. Used as a cover crop, sunn hemp can improve soil properties, weed suppression, nematode suppression, N-Fixation, reduce soil erosion, conserve soil water, and recycle plant nutrients.

Management - Warm weather (frost-free) is needed for 8 to 12 weeks to provide max amount of biomass and nitrogen. Small grains following sunn hemp can utilize the symbiotically produced nitrogen, thus reducing or eliminating the loss of nitrogen.
Sunn Hemp must be controlled or plowed under before reaching the full bloom stage or it becomes too fibrous when using it as a green manure. We recommend control when flowers reach 50% across the field. Mowing & incorporating into soil or rolling for mulch while step is green and succulent.

Description
Legume family (Fabaceae). Branched, erect, herbaceous shrubby annual growing 3 to 9 feet high (91 cm – 2.7 m) with bright green simple, elliptical leaves. It has deep yellow terminal flowers with open raceme to 10 inches long (25 cm) when left to mature. It has a well-developed root system, with a strong taproot. Number of seeds per/lb is 15,000 (33,000 per/kg)

Adaptation
Sunn hemp is a tropical or sub-tropical plant that when grown in the continental United States performs like a summer annual. It can be planted year round in Hawaii below an elevation of 1,000 feet (305 m). However, it does not perpetuate itself well and is not found in the wild. Sunn hemp is adapted to a wide range of soils and performs better on poor sandy soils than most crops. It is for such situations that it has attracted attention. It grows best on well-drained soils with a pH from 5.0 to 7.5.

Establishment
To establish a successful stand, seed should be drilled and covered ½ to 1 inch (.64 – 1.27 cm) deep into a well prepared, weed-free seedbed. If broadcast, seed at a rate of 35 to 40 pounds of live seed per acre (35-40 kg/ha). If drilled, the rate should be 15 to 25 pounds per acre (15-25 kg/ha) in 6-inch (15.25 cm) rows. The higher rates should be used if the crop will be terminated in less than 60 days or if severe weed competition is expected. Where weed competition is mild, drilled rates as low as 20 pounds of live seed per acre (20 kg/ha) have been satisfactory. **Inoculate with the cowpea-type rhizobia bacteria.**

Using a winter cover crop/green manure is a conservation practice that provides soil-improving characteristics. A common problem with winter cover crops, however, is that the relatively short period between cash crop harvests in the fall and planting the following spring can result in less than optimum biomass production of the cover crop.
Sunn hemp, because of its rapid growth and relatively short growing season requirement, can be an excellent alternative. Where conditions are favorable, it can provide the benefits of a winter legume prior to a killing frost in the fall and also in the summer after the winter crop has been harvested.

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