



Grains and Foods Group

Whole Grains: Soy, Corn & Sunflower

SunOpta™ produces a wide range of whole grains with the highest level of quality, consistency and natural health benefits. Our whole grains include soybean, specialty corn and sunflower for food applications. We select premium varieties for their superior food quality characteristics, agronomics and manufacturing attributes. SunOpta is involved in every stage of production, from grower seed selection to cleaning, conditioning and packaging.

Food-Grade Soybeans: SunOpta selects the best variety of soybean for each application based on their agronomic and output characteristics. Soymilk and tofu applications use beans selected for their protein, flavor profile and uniform seed size. Miso and edamame beans are selected for their sugar profiles and hilum color. Roasting and soy sauce applications use beans selected for their protein and oil levels.

Non-GMO Waxy, Yellow Dent and Specialty Corn: Waxy corn's starch (97% amylopectin starch) contributes unique gelling properties for food and industrial uses. Yellow dent corn varieties are available for both dry and wet milling. Specialty corns include Certified Organic, white and blue varieties.

Sunflower: We specialize in long shelf life, high oleic sunflower kernel and long, large inshell sunflower. Our offerings include high oleic and traditional sunflower products and nut alternatives. Inshell sizes include standard 22/64 and 20/64. Kernel products include: high oleic, traditional kernels, bakery kernels, chips, specific chopped sizes and sunflower meal. Oil roasted, dry roasted, honey roasted, and flavored kernels are also available.

SEED SELECTION

- Agronomic traits
- Non-GMO and traditional bred varieties
- Extended shelf life, to meet food manufacturers' requirements

FEATURES & BENEFITS

- Excellent flavor profile
- High yield in manufacturing
- Ongoing improvements in varieties

CONDITIONING, PACKAGING & DELIVERY

Our processing plants use the latest technologies to provide a broad range of quality products. We utilize targeted controls and raw material tracking and traceability programs to produce premium, quality products that satisfy customers' specifications. Product is loaded in bulk, tote bags, and paper bags and can be loaded in rail, truck and ocean containers.

Certified Organic, Non-GMO and IP Ingredients



Superior
functionality,
exceptional
taste...
naturally!



Product Specifications — Typical Analysis

Soybean Variety	Protein (Dry Basis)	Oil	Moisture	Seed Size	Hilum Color	Application
High Protein and Vinton Type	42 +/- 2%	17 +/- 2%	12 +/- 2%	1800–2000	Clear or Dark	Tofu, Soymilk, other
Clear Hilum	38 +/- 2%	19 +/- 2%	12 +/- 2%	2300–2500	Clear	Tofu, Soy Sauce, Miso Roasting, other
Low Lipoxygenase	40 +/- 2%	18 +/- 2%	12 +/- 2%	2000–2200	Clear	Tofu, Soymilk, other
Non-GMO Blend	37 +/- 2%	19 +/- 2%	12 +/- 2%	2600–2800	Clear or Dark	Tofu, other
Dehulled Soybeans	41 +/- 2%	17 +/- 2%	12 +/- 2%	90% thru #5 mesh	Clear	Tofu, Soymilk, other

Corn Variety	Test Weight	Moisture	Total Damage	BCFM	Stress Cracks	Horneous Endosperm	Amylopectin	Amylose	Application
Waxy	>54	12–14%	<5%	<3%	<40%	N/A	>97%	<3%	Starch, Wet Milling
Yellow Dent	>54	12–14%	<5%	<3%	<40%	N/A	72–77%	23–28%	Dry, Wet Milling
White	>54	12–14%	<5%	<3%	<40%	90 +/- 4	70–75%	25–30%	Dry, Wet Milling
Hard Endosperm	>54	12–14%	<5%	<3%	<40%	90 +/- 5	90–95%	5–10%	Dry, Wet Milling

Sunflower Variety	Size	Count	Moisture	Purity
Kernel				
Bakery Kernel	NMT 5% thru 10/64 RHS	700 +/- 100	NLT 4%, NMT 8%	99.95%
Premium Bakery Kernel	NMT 5% thru 10/64 RHS	550 +/- 50	NLT 4%, NMT 8%	99.95%
Confection Kernel	NMT 5% thru 10/64 RHS	475 +/- 100	NLT 4%, NMT 8%	99.96%
SO70	NMT 5% thru 10/64 RHS	550 +/- 50	NLT 4%, NMT 8%	99.95%
SL® High Oleic Kernel - Regular	NMT 5% thru 10/64 RHS	575 +/- 100	NLT 4%, NMT 8%	99.98%
SL® High Oleic Kernel - Large	NMT 5% thru 10/64 RHS	450 +/- 100	NLT 4%, NMT 8%	99.98%
Medium Chipped Kernel	NMT 10% thru 8/64 RHS	N/A	NLT 4%, NMT 8%	99.90%
Inshell				
ND Inshell 20/64	NMT 5% thru 20/64-inch RHS; NMT 5% over 22/64-inch RHS		NMT 10%	99.70%
ND Inshell 22/64	NMT 5% thru 22/64-inch RHS		NMT 10%	99.50%
KS Inshell 20/64	NMT 5% thru 20/64-inch RHS; NMT 5% over 22/64-inch RHS		NMT 10%	99.70%
KS Inshell 22/64	NMT 5% thru 22/64-inch RHS		NMT 10%	99.50%
KS GOLD Inshell	NMT 5% thru 22/64-inch RHS; NLT 45% over 24/64-inch RHS		NMT 10%	99.50%



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