



vegan



dairy-free



gluten-free



low fodmap



gmo-free



soy-free



Nordic



clean label

Unique 3-in-1 composition



33-43%
plant protein



33-43%
dietary fibre,
mostly insoluble



14-22%
rapeseed oil,
encapsulated

Contains Omega-3 and Omega-6 fatty acids • All essential amino acids in a balanced ratio • No sugars or starch

An ideal ingredient for various food applications

In addition to other mentioned benefits BlackGrain from yellow fields™ is also mild in taste (easy to add flavours) and low in sodium. This is an ideal ingredient for:

- ✓ Meat analogs, veggie patties and balls
- ✓ Meatballs
- ✓ Breakfast cereals and granolas
- ✓ Chips and crisps
- ✓ Cereal and raw bars
- ✓ Multigrain and rye bread
- ✓ Gluten free breads

The following nutrition claims are possible in the final consumer products:

- ✓ Source of fiber
- ✓ High fibre
- ✓ Source of protein
- ✓ Source of high protein
- ✓ Source of essential mineral

Nutrients

Average nutritional value per 100 g

Energy (kJ/kcal)	1619/387
Fat (g)	18
of which saturated (g)	1,4
monounsaturated (g)	10,9
polyunsaturated (g)	5,6
Carbohydrates (g)	0,5
of which sugars (g)	0,1
Fibre (g)	38
Protein (g)	38
Salt (g)	0,05

Fatty acids per 100 g

Omega-3 fatty acids (g)	1,8
Omega-6 fatty acids (g)	3,8
Omega-6 / Omega-3 ratio	2,1

Minerals per 100 g

Phosphorous (mg)	714
Potassium (mg)	346
Calcium (mg)	636
Magnesium (mg)	314
Iron (mg)	13
Sodium (mg)	3
Sulphur (mg)	464

Dietary fiber composition

Water-soluble low molecular weight fibre (%)	< 0,3
Water-soluble high molecular weight fibre (%)	0,5-3
Water-Insoluble high molecular weight fibre (%)	33-41

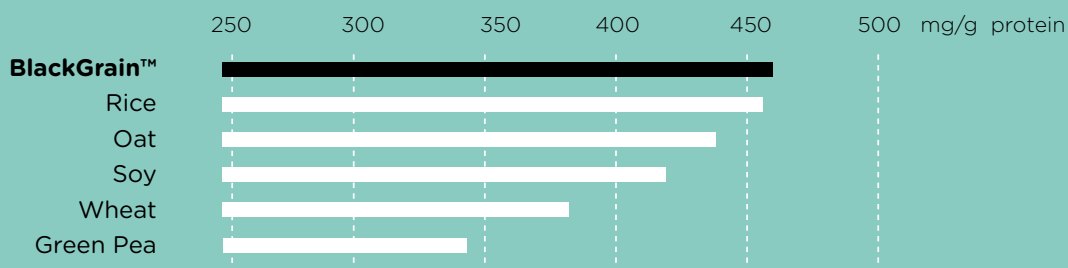
Essential amino acid content of BlackGrain™

BlackGrain (mg/g prot)

Histidine	28
Isoleucine	45
Leucine	81
Lysine	61
Methionine + cystine	39
Phenylalanine + tyrosine	80
Threonine	53
Tryptophan	16
Valine	58



Total amount of essential amino acids compared to selected plant protein ingredients



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