

# KONATTO

TYPE NATTO  
2600 CHU  
RM: 0.4



New natto chosen by our asian clients.

## CULTIVAR HIGHLIGHTS

- \_ Important to seed in a well warmed up soil.
- \_ Do not seed too deep.
- \_ Economical to seed (2.5 times smaller than conventional seed).
- \_ Small, seed very uniform and of very nice quality.
- \_ Usually less vigorous in the spring than conventional varieties.
- \_ Tolerance to Sclerotinia (white mold) and yield superior to previous generations of natto type.
- \_ Be careful with combine adjustment.



## CHARACTERISTICS OF VARIETY

DAYS TO MATURITY*	
ZONE OF LESS THAN 2600 CHU	— DAYS
ZONE OF MORE THAN 2600 CHU	116 DAYS
<b>CANOPY TYPE</b>	SEMI BUSHY
<b>HILUM COLOR</b>	YELLOW
<b>PUBESCENCE COLOR</b>	GREY
<b>PROTEIN %</b>	40%
<b>PLANT HEIGHT**</b>	2.5
<b>STANDABILITY**</b>	4
<b>HEIGHT OF 1<sup>ST</sup> POD**</b>	2
<b>POD SHATTERING RESISTANCE**</b>	3
<b>WHITE MOLD TOLERANCE**</b>	2.5
<b>PHYTOPHTORA TOLERANCE**</b>	N/A
<b>IRON DEFICIENCY CHLOROSIS</b>	3
<b>SPRING EMERGENCE**</b>	2.5
<b>NO TILL ADAPTABILITY**</b>	2
<b>NUMBER OF SEEDS/KG</b>	13,000 – 14,000

## SEEDING RATE AND POPULATIONS ACCORDING TO ROW SPACING

(NUMBER OF SEEDS PER METER)

### 7 in/18 cm

47 kg/ha – 634,500 seeds/ha – (11.3 seeds/m)

### 14 in/35 cm

40 kg/ha – 540,000 seeds/ha – (18.9 seeds/m)

### 30 in/75 cm

35 kg/ha – 472,500 seeds/ha – (36.0 seeds/m)

Kg/ha X 0.89 = lb/acre    Seed/m X 0.3 = seed/foot

**Note:** best results usually obtained at 7 or 14 inches (18 or 35 cm)

## NOTES

\* **Maturity** = 95% of pods reached their maturity color (brown).  
5 to 10 more days are usually necessary for the humidity of grain to become inferior to 15%.

\*\* **Rates:** from 1 to 5 where 1 = low, 3 = medium & 5 = high; n/a = data not available



Prograin

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## NOTICE

Information and ratings provided are based on comparisons between Prograin's soybean varieties only. Information and ratings are assigned by Prograin's agronomists and research managers. They are based on test averages performed under normal conditions during various years and in various locations in Quebec. They don't predict results under all conditions. Soybean varieties' adaptation can vary and is subject to many environmental stresses: climate, pest & diseases. Please contact a Prograin sales professional to obtain more precise and up to date information.

## BRAND

**Qualipro**® represents Prograin's non-GMO soybean varieties, which possess particular characteristics for the food grade market such as for the fabrication of Tofu, soybean beverages and natto. These varieties are available only for production under contract and are associated with special premiums to the grower.

**IP** represents Prograin's non-GMO soybean varieties, possessing good characteristics for the food grade market (clear hilum). These varieties are available for production without contract but are also available for production under contract with Prograin for the Identity Preserved market.

## DAYS TO MATURITY

Based on Quebec's growing conditions, average of three year tests.

## PROTEIN %

Calculated on dry matter basis; compare data between varieties only, this value can vary from year to year, between locations and management practices.

## SCLEROTINIA TOLERANCE

Based on cultivar observations and tests performed in greenhouse, laboratory and field during two years. All varieties can develop white mold symptoms under severe infestations. However there are differences in their ability to resist disease development. Our ratings reflect this reality.

## PHYTOPHTORA TOLERANCE

Based on field and laboratory observations.

n/a = not available, no known resistance gene.

Rps 1a = resistant to races 1, 2, 10, 11, 13, 15-18, 24, 26, 27

Rps 1c = resistant to races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26

Rps 1k = resistant to races 1-11, 13-15, 17, 18, 21, 22, 24, 26

## IRON DEFICIENCY TOLERANCE

Based on field test results performed in areas where the problem is recurrent.

## NUMBER OF SEEDS/KG

Seed size provided here has been calculated on averages over multiple years and locations in Quebec. However these values can and will vary from place to place and from year to year. Please always refer to the information printed on the bags to calculate your seeding rate: based on the recommended population and according to row spacing.

## SEED POPULATION/HA

This information represents the recommended seed population needed to obtain optimum yield and is based on averages from three year tests at Prograin's research location in Quebec. These populations are based on a 90% germination rate. Optimum population can and will vary from place to place according to soil type and climatic conditions.