

TIGER NOVA

Agrostis capillaris

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SEEDS & SCIENCE



TIGER NOVA

Improved quality, good summer colour.

Browntop bent (*Agrostis capillaris*) is used extensively on golf greens in mixtures with red fescue or as straight. It is seen as the “traditional” greens mixture for Northern Europe conditions and needs lower input.

It tolerates close mowing very well.

The shoot density is high and it is very adaptable to changing growing conditions.

- Dark green colour
- Low input
- Quick establishment
- High disease resistance
- Very good summer colour



Usage

TIGER NOVA was developed for elite low height of cut (LHC) turf surfaces on golf course greens (cool temperature climates), tees and fairways. It is very compatible in turfgrass mixtures and responds well to low levels of nitrogen. It requires less mowing, watering, and verticutting than improved creeping bentgrass. It provides better cool weather performance in winter overseeding programs.

TECH FACTS

Growth habit	Rhizomes and stolons
Establishment rate (days)	Medium 14-18
12 mm cut tolerance	Very good
Mowing frequency	> 3x / week
Traffic tolerance (Brinkman)	Good
Nitrogen required	Low to medium
Shade tolerance	Fair/Good
Cold tolerance	Good
Drought tolerance	Fair











Appearance

TIGER NOVA is an improved dark green, elite colonial bentgrass with a distinctive upright crown growth habit and very fine texture. In contrast to “Highland types” which have unattractive broad stolons, TIGER NOVA has prolific slender stolons. TIGER NOVA does not exhibit false crowning as many common colonial bentgrass varieties do. TIGER NOVA is a top performing bentgrass for greens, fairways and tees.

Disease resistance

Resistance to red thread was excellent in the UK Bingley trials. In the US NTEP trials it showed good resistance to dollar spot and Fusarium patch.

TRIAL RESULTS (BINGLEY, UK)

VARIETY	SHOOT DENSITY	VISUAL MERIT	MEAN	DISEASE RESISTANCE RED THREAD	SUMMER GREENNESS
 TIGER NOVA	6.2	6.5	6.4	6.1	6.9
 JORVIK	6.9	6.9	6.9	4.9	6.8
 GREENSPEED	7.0	7.1	7.1	5.3	6.4
 EGMONTTWO	6.9	6.9	6.9	5.5	6.4
 EGMONT	6.8	6.8	6.8	5.9	6.4
 DENSO	6.5	6.9	6.7	6.4	6.7
 LANCE	6.4	6.7	6.6	5.8	6.2
 MANOR	7.3	7.4	7.4	4.8	6.2
BARKING	6.9	7.6	7.3	5.6	6.1
HERIOT	6.9	7.4	7.1	5.3	6.3
ABERROYAL	6.8	7.3	7.1	5.7	6.6
SEFTON	6.7	7.1	6.9	4.7	5.7
TROY	6.8	6.6	6.7	6.0	6.1
ARLETTA	6.0	6.5	6.2	4.9	5.5
VITEK	5.8	6.1	6.0	---	7.0
MANDOLIN	6.2	5.7	5.9	6.0	6.4
RADIANCE	5.5	6.1	5.8	6.0	6.4
AMBROSIA	5.7	5.9	5.8	6.2	5.8
TRACENTA	5.4	5.7	5.5	5.0	6.7

(Scale 1-9, 9 is highest) Turfgrass Seed, Recommended list UK 2009 (Greens, Close Mown Trials (Mown at 4-7mm))



Maintenance of browntop bentgrass (*Agrostis capillaris*)

Seeding rates (sown as straight on golf green):

New plantings: 100 kg/ha

Overseeding: 50 kg/ha.

Seeding date: Spring or autumn

Fertilisation (pre-sowing and sowing)

Normal seed: pre-plant incorporated: 70 kg N/ha

pre-plant topdressed: 35 kg N/ha

iSeed®: if iSeed® is used no starter fertilization is necessary



Fertilisation (season)

Nitrogen (N): 80-150 kg/ha/yr

Phosphorus (P): 50-75 kg/ha/yr

Potassium (K): 250-400 kg/ha/yr

Micronutrients: depending on soil analysis or plant tissue tests during the year.

Mowing

First mowing at plant heights of 4 - 5 cm

Get to the desired mowing height within seven weeks

Normal 4 - 12 mm, good durability at 4 mm with 3 mm for special tournaments

Irrigation

Irrigate only when necessary

Keep intervals between irrigation cycles as long as possible

Topdressing and verticutting

Frequent verticutting according to seasonal growth, followed by topdressing

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