



fitto
Your seeds

#1 IN NTEP WITH OUTSTANDING RESULTS ACROSS MULTIPLE ENVIRONMENTS



No1 NTEP



Disease tolerance



Lower maintenance needs

AGROSTIS STOLONIFERA

LUMINARY

- Fine-textured and durable.
- Medium green colour.
- Optimal density.
- Resilient, highly traffic tolerant with excellent recovery from ball marks and divots. Without the “puffy” effect seen in other varieties.
- Versatile for greens, tees and fairways.
- Fast spring growth.
- High summer density.
- Excellent winter colour, no purpling.
- Minimal fungicide requirements.
- Highly competitive against *Poa annua*.
- Maximum resistance to Dollar spot, Snow mold and summer diseases.

Developed by Dr. Stacy Bonos at Rutgers University from a broad genetic base. Exceptional performance in numerous official trials and independent tests. Maximum resistance to Dollar spot and Fusarium. Compatible with other *Agrostis* varieties, reducing maintenance costs when overseeding with **LUMINARY**.

Top-rated in the US states of AR, IL, IN, KY, MN, NJ, NC, VA & WA (2011 Overall Quality data, www.ntep.org).



EXPERIENCES

General data on different varieties of Agrostis grown on greens in different locations

VARIETY	Rh	VA1	KY1	UT1	WA3	AVG
PROCLAMATION (LTP-FEC)	6.3	6.0	7.7	5.5	6.6	6.4
LUMINARY (Ao8-TDN2)	6.3	5.0	7.1	5.0	6.6	6.0
BARRACUDA (MVS-AP-101)	6.3	5.0	7.0	5.2	6.4	6.0
FOCUS (SRP-1GMC)	6.0	5.1	7.0	5.1	6.1	5.9
PENN A-1	5.6	5.6	7.1	5.1	5.7	5.8
DECLARATION	6.0	5.0	6.9	4.9	6.2	5.8
V8	6.1	4.8	6.8	4.9	6.2	5.8
PIN-UP (HTM)	5.7	5.2	7.0	4.7	6.1	5.7
AFM	5.6	5.3	7.1	4.7	6.0	5.7
PURE DISTINCTION (PST-OJO)	6.0	4.3	6.6	4.4	6.4	5.5
AUTHORITY	5.7	4.7	6.6	4.7	5.8	5.5
ALPHA	5.4	4.8	6.5	4.8	5.4	5.4
T-1	5.6	4.5	6.4	4.7	5.6	5.4
SRP-1BLTR3	5.2	4.8	6.4	4.7	5.2	5.2
L-93	4.8	5.0	6.4	4.7	4.6	5.1
PENN A-2	4.8	5.0	6.4	4.4	4.8	5.1
PENNCROSS	4.4	5.1	6.4	4.4	4.4	4.9
LSD-VALUE	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	12.2	13.8	10.2	14.4	12.0	12.3

Data on Greens in 5 locations in the US for the Amni 1 Group. Data from 2009-2013. Overall appearance 1-9; 9 Ideal turf

Colour data for various varieties of Agrostis grown on greens in different locations

VARIETY	AR1	IN1	MN1	NJ1	PA1	Rh	UT1	VA1	WA3	AVG
T-1	8.1	9.0	8.9	6.5	8.9	8.0	6.8	8.3	7.3	7.7
PIN-UP (HTM)	7.3	7.2	6.3	6.3	6.9	5.3	6.8	6.7	6.6	6.7
ALPHA	7.5	7.9	7.0	5.4	6.3	6.7	5.9	8.0	7.0	6.6
FOCUS (SRP-1GMC)	7.0	7.6	5.0	6.5	5.7	6.3	6.7	7.3	6.7	6.6
LUMINARY (Ao8-TDN2)	7.1	7.3	5.9	6.8	5.8	6.7	6.5	8.0	5.9	6.6
V8	7.1	6.6	6.0	6.1	5.9	5.3	6.3	8.0	6.1	6.4
PENN A-1	6.8	7.4	5.6	5.7	6.3	5.3	6.3	7.3	6.8	6.3
PENN A-2	7.2	7.1	6.0	5.1	6.1	6.7	6.1	6.7	6.7	6.3
L-93	7.2	7.6	6.8	4.7	5.8	6.3	5.7	6.7	6.6	6.3
AUTHORITY	6.7	6.8	4.9	5.7	5.9	6.7	6.7	7.0	6.1	6.2
BARRACUDA (MVS-AP-101)	6.8	6.9	6.3	6.3	5.1	6.3	6.1	6.0	5.8	6.2
PROCLAMATION (LTP-FEC)	7.1	7.0	5.2	5.3	5.7	5.7	6.1	7.3	6.3	6.1
PENNCROSS	6.7	7.6	6.8	3.8	6.0	6.0	4.8	6.7	6.7	5.9
SRP-1BLTR3	6.8	7.0	4.1	5.3	4.9	6.0	5.5	6.7	6.1	5.7
DECLARATION	6.7	7.1	4.9	5.1	5.1	5.0	4.7	7.3	5.8	5.6
AFM	6.9	6.4	4.2	4.8	4.8	6.0	5.0	7.0	5.8	5.5
PURE DISTINCTION (PST-OJO)	6.7	5.4	3.7	5.3	3.4	5.7	5.0	6.3	5.3	5.2
LSD-VALUE	1.0	0.8	1.4	1.6	1.0	1.5	1.6	1.2	0.8	0.6
C.V. (%)	8.8	7.1	15.1	18.0	11.3	14.8	16.5	10.6	8.3	13.1

Data 2009-13. Colour 1-9; 9 Dark colour

Average quality of different varieties of agrostis over the course of a year and some specific characteristics of agrostis measured in Los Angeles (Los Angeles Country Club), California 01/2016

VARIETY	Colour	Spring density	Summer density	% Poa Annu	QUALITY RATINGS													
					GEN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG	
PST-ROPS	7.3	7.3	7.3	2.0	6.3	7.3	7.0	7.3	7.7	7.3	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.6
777	7.0	7.0	7.0	4.7	6.7	7.0	6.7	7.3	7.3	7.0	7.3	7.7	7.3	7.3	7.3	7.3	7.3	7.2
L-93-XD	6.7	7.0	7.0	0.7	6.0	6.3	7.0	7.0	7.7	7.3	8.0	7.7	7.7	7.0	7.3	7.3	7.3	7.2
DC-1	7.3	7.0	7.0	0.7	6.7	7.0	7.3	7.3	7.0	7.0	7.7	7.3	7.3	7.0	6.7	6.7	6.7	7.1
DLFPS-AP/3018	6.7	7.3	6.7	0.7	6.0	6.7	7.0	7.3	7.0	7.0	7.7	7.7	7.7	7.0	7.3	7.0	7.0	7.1
DLFPS-AP/3058	7.0	7.3	7.0	2.0	6.3	7.0	7.0	7.0	7.3	7.0	7.7	7.3	7.3	6.7	7.0	7.0	7.0	7.1
LUMINARY	7.3	6.7	6.7	4.0	6.7	6.7	6.0	7.3	7.7	7.0	7.7	7.7	7.3	6.7	6.7	6.3	7.0	
DLFPS-AP/3056	7.3	7.0	6.7	2.7	6.7	6.7	6.7	6.7	7.0	6.7	7.3	7.3	7.0	7.0	6.7	6.7	6.9	
GDE	7.0	6.7	6.7	4.0	6.7	6.7	6.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8	
SHARK	7.0	6.7	7.0	0.7	6.3	6.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.7	6.7	6.8	
V-8	7.3	6.7	6.7	3.0	6.7	6.7	6.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8	
ARMOR	8.0	7.0	6.7	4.7	5.7	6.3	7.0	7.0	6.7	6.3	7.0	7.0	7.0	6.7	6.7	6.7	6.7	
BARRACUDA	7.3	7.0	7.0	4.7	6.3	6.7	6.0	6.7	6.7	6.3	6.7	7.0	6.7	7.0	6.7	7.0	6.6	
KINGDOM	7.7	6.7	6.3	8.3	6.0	6.0	6.0	7.0	6.7	6.3	6.7	6.7	7.0	6.7	7.0	7.0	6.6	
PENN A-1	7.7	6.7	6.7	3.0	7.0	7.0	6.3	7.0	7.0	6.3	7.0	7.0	7.0	6.0	6.0	6.0	6.6	
NIGHTLIFE	8.0	7.0	6.0	5.7	6.0	6.3	6.3	7.0	6.7	6.0	7.0	7.0	7.0	6.7	6.0	6.0	6.5	
PURE-SELECT	7.0	6.7	7.0	1.7	6.3	6.3	6.7	6.3	6.3	7.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4	
DECLARATION	6.7	6.7	6.0	3.7	6.3	6.7	6.0	6.3	7.0	5.7	6.3	6.3	6.7	6.0	6.3	6.0	6.3	
DLFPS-AP/3059	6.7	6.3	6.0	3.0	6.0	6.3	6.0	6.7	6.7	6.3	6.7	6.7	6.3	6.0	6.3	6.0	6.3	
PENNCROSS	5.7	5.0	6.0	5.7	6.3	6.3	5.0	6.3	6.3	5.0	6.3	6.3	6.3	5.7	5.3	5.0	5.9	
LSD-VALUE	1.1	0.8	0.7	2.5	1.9	1.4	0.8	1.0	1.4	0.9	0.8	1.0	0.8	0.6	0.9	0.7	0.5	
C.V. (%)	8.1	6.7	5.8	46.4	9.8	7.6	7.2	6.5	8.0	7.5	6.3	7.2	6.2	5.8	7.7	6.3	4.5	

1-9; 9 Ideal turf

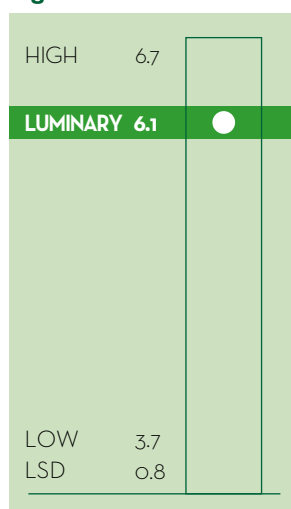
SEEDING AND OVERSEEDING

- Seeding rate (new construction): 5-8 g/m²
- Overseeding rate: 5-15 g/m²
- Ideal for summer overseeding to suppress *Poa annua*.

AREAS OF USE

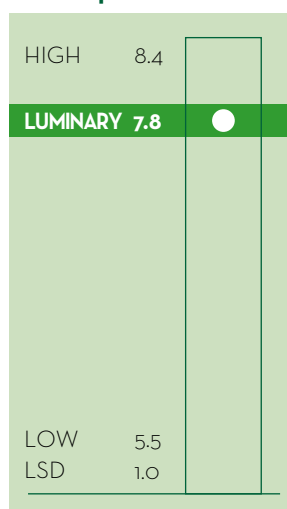
- Greens, tees and fairways.
- Overseeding: Blends well with existing varieties matching colour and texture, avoiding extremes.
- New construction: With the latest germplasm and broad genetic base, Luminary provides top playing conditions without management risks.

Vigor of establishment



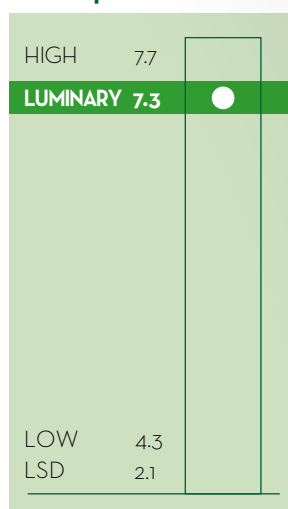
Data 2009-13

Dollar spot resistance



Data 2009-13

Brown patch resistance



Data 2009-13



MANAGEMENT

- Requires 50-100 units of N per month during establishment, then reduced to 50-200 units annually once the green is established.
- Fertilise according to turf use, not colour.
- Standard topdressing programmes are suitable (preferably lighter and more frequent).
- If mowing below 3 mm, use a finer sand topdressing.
- Responds well to growth regulators, even at higher doses.
- Recommended mowing heights:
 - Greens: 2.5-6 mm
 - Tees & fairways: 6-10 mm

CONVERSION FROM OTHER AGROSTIS OR POA ANNUA TO LUMINARY

1. Apply a growth regulator such as trinexapac-ethyl or paclobutrazol.
2. Do not apply pre-emergent herbicides before seeding.
3. Lower mowing height below 3 mm (scalp the green).
4. Intensive verticutting to reduce thatch and weaken existing turf (can follow aeration).
5. Aerate to facilitate establishment, then topdress or drag to incorporate seed.
6. Best conversion period: late spring to late summer. Control of *Pythium* is essential. Delay sowing as late in spring or as early in autumn as possible for acceptable play conditions.
7. Seed at 5-15 g/m² with topdressing or dragmatting. Keep the surface moist.
8. For conversion from *Poa annua*, maintain low soil moisture.
9. Fertilise after germination with quick-release nitrogen.
10. Maintain mowing height at 3 mm to ensure light penetration for seedlings and reduce competition.
11. Apply pre-emergent herbicide 14-21 days after seedling emergence to limit *Poa annua* establishment.
12. Repeat for two years; significant results from the third year onwards.



Selva de Mar, 111 · 08019 Barcelona
Tel. (+34) 93 303 63 60 · Fax (+34) 93 303 63 73
info@semillasfito.com · www.semillasfito.com