

KRYPTON

KENTUCKY BLUEGRASS

When you think of dark-green turf... **think Krypton!** Krypton is a favorite among sod growers because of its rich, robust, deep green color that epitomizes what a sod lawn should look like. Krypton also has a uniform, upright growth pattern that truly makes the turf resemble a thick carpet.

SEEDING RATES:

Overseeding:

1 – 2 lbs. per 1,000 sq. ft.

Bare Soil:

2 – 3 lbs. per 1,000 sq. ft.



Krypton's exhibits such a deep dark-green color that it can "hide" a black pen.



Krypton growing on a Midwest sod farm.

Variety	Turf Quality 2011-2012 Avg.	Spring Green-up Apr. 2012	Dollar Spot Jun. 2012	Leaf Spot Jun. 2012
Krypton	5.4	5.0	5.0	5.7
Moonlight	5.2	2.0	6.0	8.0
Jump Start	5.2	7.7	1.3	5.0
Blueberry	5.0	2.3	5.0	7.7
Moonshine	4.9	5.7	3.0	6.3

*Turf Trial September 2010 near Aldephia, NJ**

Variety	% Green Cover (days)		
	7/12 9	8/2 30	8/23 51
Krypton	96.2	88.1	27.7
Jump Start	98.2	93.4	23.6
Full Moon	98.3	93.7	15.3
Moonshine	98.5	84.6	6.9
Moonlight SLT	95.9	57.3	3.6

Mean drought ratings fall 2010 near Hubbard, OR
(evaluated using digital image analysis)*

Variety	Est 4 wk	Turf Quality				
		Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Mean
Krypton	5.3	5.3	5.5	4.5	4.2	4.9
Moonshine	4.3	5.3	5.3	3.7	3.4	4.5
Moonlight SLT	4.7	4.7	4.1	2.8	2.9	3.6
Full Moon	2.0	2.8	2.7	3.1	4.0	3.1
Prosperity	2.3	2.7	1.5	1.9	2.1	2.1

*Mean turf performance in fall 2011 near Rolesville, NC**

Krypton (K10-114) Kentucky bluegrass originated as a single highly apomictic selection from a cross between a ISI5-47 plant and pollen from 'Shamrock cv' Kentucky bluegrass. The maternal parent ISI5-47 is a sexual hybrid originating from a Y2K-81 clone pollinated by P.I. 369301 (*Poa siberica*). P.I. 369301 was collected in Novosibirsk, Siberia in 1971. Y2K-81 is a sexual hybrid resulting from 107-8 pollinated by 'Midnight'. 107-8 is a sexual hybrid plant selected from the cross between Midnight pollinated by plants collected from Evergreen Cemetery and Olivewood Cemetery in Riverside County, California.

Plants of ISI5-47 and Shamrock were dug early spring of 2007 and moved into a greenhouse near Canby, Oregon. Upon pollination, the two plants were put into an isolated crossing box. Upon ripening, seed was harvested off the sexual maternal plant ISI5-47 parent and given the code 08-61.

Seed harvested from 08-61 was used to plant 93 seedlings in the fall of 2008 for an apomictic grow-out, and establish experimental turf plots in OR and NC and a seed yield trial in Oregon. Summer of 2010, 84 of the 93 plants were uniform, harvested and designated K10-114.

K10-114 was determined to be 92% apomictic. Breeder Seed of K10-114 was used to start a breeder seed increase nursery in the Columbia River Basin in 2011.

**All turf trials
maintained at a
1.25" mowing height.*



is a



Kentucky Bluegrass Variety