

# SEED RESEARCH OF OREGON

*The germination of ideas*

## FEATURES

- High cold tolerance
- Excellent spring Dead Spot resistance
- Early spring green-up
- Short internodes for higher density
- Outstanding drought tolerance
- Excellent choice for golf course tees and fairways, sports turf, parks and landscapes

## BENEFITS

- Superb winter hardiness
- High stolon density
- Uniform dark green color
- Reduced vertical growth
- Increased fall color retention

## SEEDING RATES

- Seeds/lb: 1–2 million
- Seeds/kg: 2.2–4.4 million
- New Turf:  
2–3 lbs/1,000 sq ft  
10–14 gr/m<sup>2</sup>  
90–125 lbs/acre
- Repair of existing turf:  
0.5–1.5 lbs/1,000 sq ft  
3–8 gr/m<sup>2</sup>

## ESTABLISHMENT

- Germination: 7–10 days
- First mowing: Approximately 21 days, depending on usage
- Full coverage: 30 days
- First limited use: 60–90 days



**Yukon Seeded Turf-Type Bermudagrass (OKS91-11)** is the best choice for turf managers who need a seeded bermudagrass, no matter what bermuda growing zone they are in – world-wide! Developed by the Oklahoma State University Turfgrass Research Team, in conjunction with the USGA, Yukon's five parental plants were selected in 1990 from a cold hardy study, based on their high turf quality. Yukon is the most dramatic improvement in seeded bermudagrass varieties to date.



## Advantages

Yukon uses up to 25% less water than other bermudagrasses, while maintaining superior turf quality. In multiple locations and over a decade of use Yukon has surpassed all other seeded varieties and many of the vegetative varieties for spring Dead Spot resistance, early spring green-up and winter survival.

## Performance

Yukon has expanded the bermudagrass planting zone — it is the turfgrass professional's top choice for projects from the Equator through the transition zones of the world. In trials, it has shown excellent turf quality and winter hardiness at both 0.5 inch and 1.5 inch mowing heights. Yukon can be seeded on new projects, as well as interseeded into existing turf of similar quality. With highest ratings for turfgrass quality, color, density and texture, Yukon Bermudagrass is the best choice for turf managers, wherever bermudagrass is grown. Additionally, with its excellent winter survival and cold tolerance, Yukon becomes a stand-alone choice for transition zone plantings. Yukon blends well with other turf-type bermudagrasses.



**Turfgrass Quality Ratings of Bermudagrass Cultivars  
Growing at 11 Locations in the United States, Maintained using "Schedule B"**  
2005 Data

*Turfgrass Quality Ratings 1-9; 9=Ideal Turf*

Cultivar	Quality	Cultivar	Quality	Cultivar	Quality	Cultivar	Quality
Tifway (veg.)	6.3	<b>LaPaloma</b>	<b>5.3</b>	Sunstar	5.0	Arizona Common	4.9
<b>Yukon</b>	<b>5.8</b>	Sunbird	5.3	Mohawk	5.0	Panama	4.9
Riviera	5.8	Southern Star	5.3	Sundevil II	5.0	<i>LSD @ 5%</i>	<i>0.2</i>
Princess 77	5.5	Transcontinental	5.2	Numex Sahara	4.9		

**Turfgrass Quality Ratings of Bermudagrass Cultivars  
Growing at 9 Locations in the Transition Region**  
2005 Data

*Turfgrass Quality Ratings 1-9; 9=Ideal Turf*

Cultivar	Quality	Cultivar	Quality	Cultivar	Quality	Cultivar	Quality
Tifway (veg.)	6.7	Princess 77	5.6	Panama	5.1	Numex Sahara	4.9
<b>Yukon</b>	<b>6.3</b>	Transcontinental	5.5	Sundevil II	5.1	Arizona Common	4.5
Riviera	6.3	<b>LaPaloma</b>	<b>5.4</b>	Sunstar	5.0	<i>LSD @ 5%</i>	<i>0.3</i>
Sunbird	5.6	Southern Star	5.3	Mohawk	4.9		

**Summer Density Ratings of Bermudagrass (Seeded) Cultivars  
Grown at 12 locations**  
2005 Data

*Density Ratings 1-9; 9=Maximum Density*

Cultivar	Quality	Cultivar	Quality	Cultivar	Quality	Cultivar	Quality
<b>Yukon</b>	<b>7.1</b>	<b>LaPaloma</b>	<b>6.1</b>	Sundevil II	5.9	<i>LSD @ 5%</i>	<i>0.4</i>
Princess 77	7.1	Transcontinental	6.1	Sunstar	5.8		
Riviera	6.8	Southern Star	6.0	Numex Sahara	5.8		
Sunbird	6.3	Panama	5.9	Arizona Common	5.4		

**Mean Spring Dead Spot Necrotic Patch (sq. cm.) during April 2000, 2001, 2002.**

Plots inoculated with a blend of *Ophiosphaerella herpotricha* isolates KS107, KS112 & KS188 in Sept. 1997

*Necrotic Patch (sq. cm.)*

Variety	2000	2001	2002	Variety	2000	2001	2002
<b>Yukon</b>	<b>167</b>	<b>345</b>	<b>678</b>	Southern Star	809	1753	2263
Patriot	377	754	766	Sundevill II	637	1555	2289
Tifsport	473	927	996	Blue Muda	806	1835	2377
Shanghai	779	1207	1277	Sahara	618	1734	2416
Riviera	795	1116	1595	Sydney	834	1257	2642
Mirage	747	1626	1923	Tifway	469	1133	2754
Blackjack	751	1372	2035	Pyramid	1093	2417	2886
Tifgreen	486	1118	2125	Majestic	1081	2531	3096
Savannah	717	1731	2186	Princess 77	1947	3727	3312
Arizona Common	622	1791	2221	<i>LSD @ 5%</i>	<i>698</i>	<i>1096</i>	<i>1129</i>

*To determine whether a cultivar's performance is different from another, subtract one entry's mean from another entry's mean. If this value is larger than the LSD value, the observed difference in cultivar performance is significant and did not happen by chance. Complete tables are available upon request.*