

WHERE TO PLANT



- Adapted
- Risk of Winter Injury

* This adaption map is a general guideline. Consult a pasture or range specialist in your area for local recommendations.



PASSEREL *plus* ER7
Annual Ryegrass

A PROVEN WINTER ANNUAL RYEGRASS

Pennington's Passerel Plus variety, well known for forage yield, outstanding rust resistance and cold tolerance, has undergone a recent upgrade. This upgrade includes Extended Root technology giving it a deeper longer root system aiding the plant during the growing season. An improved root system not only aids the plant during times of drought, but also proves to endure wet springs. In university trials Passerel Plus ER7 has proven to be a consistent performer featuring good fall and spring growth making it well suited for grazing, hay or silage.

USES

Use for high quality grazing, hay or silage. Can be sod-seeded into warm season perennial pastures for winter and spring forage production.

BENEFITS

Superior root depth, shoot mass and root mass when compared to common cultivars. Root characteristics aid in compaction relief, forage yield, establishment and weed encroachment. Produces high quality forage for all classes of livestock. Excellent for growing cattle. Good late fall growth and spring growth producing highly palatable forage.

NUTRITION

Crude Protein: 15-22%
 Total Digestible Nutrients: 60-70%
 Nutritional quality is largely determined by environmental conditions and management practices.

DM YEILD(LBS/ACRE) OF SELECTED RYEGRASS VARIETIES	
UT AGRESEARCH AND EDUCATION CENTER SPRINGFIELD, TN 2020	
VARIETY	YIELD
PASSEREL PLUS ER7	7,760
MARSHALL	7,720
FROSTPROOF	7,360
JACKSON	6,940
NELSON	6,900
PASSEREL PLUS	6,520
TAMTBO	6,160
JUMBO	5,480

PLANTING

RATE: 20-25 lbs. per acre drilled; 30-35 lbs. per acre broadcast; 10-15 lbs. per acre mixed with small grains

DATE: Early September to mid October; October 1 – November 1 in the Deep South.

DEPTH: ¼” to ½”

FERTILIZATION: A soil test is highly recommended. Lime to a soil pH of 6.0 – 6.5. Apply phosphorus and potassium fertilizer per soil test recommendations. Apply 25-35 lbs./A starter nitrogen fertilizer.

METHOD: Drill seed into a well-prepared, firm seedbed or use a no-till drill to overseed it into closely clipped or grazed dormant or semi-dormant warm season perennial pastures. Seed may also be broadcast over a prepared seedbed and pressed in with a culti-packer or covered by a shallow disking. Plant no deeper than ½” deep. Planting too deep can result in poor stand emergence.

MANAGEMENT

Ryegrass responds well to high rates of nitrogen fertilizer. Highest yields are obtained with split applications over the growing season totaling 100-150 lbs. nitrogen per acre. Begin grazing when forage growth reaches 6-8 inches in height and roots are fully anchored in the ground. Do not graze below a height of 3” in the fall and winter. Allow re-growth to reach a height of 6 to 10 inches before grazing again. Use light rotational grazing in the fall and winter with heavier rotational or continuous grazing in the spring and early summer. For hay or silage, harvest at the boot stage of maturity for highest quality.

NEXGEN RESEARCH EVALUATION OF DEEP ROOT PRODUCTION AND INCREASED FORAGE YIELD IN ANNUAL RYEGRASS ALBANY, OR 2 TRIAL AVERAGE			
	<i>PPER7</i>	<i>Gulf</i>	<i>Marshall</i>
Number of Tillers	31.15	21.8	16.03
Shoot Weight (g)	0.89	0.93	0.76
Root Weight (g)	1.7	1.11	0.88

