

# SEED RESEARCH OF OREGON

*The germination of ideas*

## FEATURES

- Fast germination and establishment
- Dark green color and fine texture
- Use alone or combined with perennial ryegrass
- Transitions smoother in spring than traditional perennial ryegrass
- Ideal for Winter overseed on permanent bermudagrass fairways, tees, roughs, and sports fields or as a nursegrass in the North

## BENEFITS

- Quick establishment
- Smooth transition
- Improved salt tolerance
- Mixes well with other species
- A true intermediate ryegrass
- Improved mowing quality

## SEEDING RATES

- Seeds/lb: 220,000
- Seeds/kg: 480,000
- Southern winter overseeding for tees & fairways:  
30% Transaction  
& 70% perennial ryegrass  
9-16 lbs/1000 ft<sup>2</sup>  
45-75 gr/m<sup>2</sup>
- For roughs & sports fields:  
50% Transaction  
& 50% perennial ryegrass  
6-10 lbs/1000 ft<sup>2</sup>  
28-50 gr/m<sup>2</sup>
- Cool season nursegrass:  
20-30% Transaction  
& 70-80% Kentucky bluegrass  
4-6 lbs/1000 ft<sup>2</sup>  
19-29 gr/m<sup>2</sup>
- 20-30% Transaction  
& 70-80% Kentucky bluegrass  
4-6 lbs/1000 ft<sup>2</sup>  
19-29 gr/m<sup>2</sup>

## ESTABLISHMENT

- Germination: 3-7 days under ideal conditions
- First mowing: approximately 14 days after emergence
- First limited use: 3-4 weeks emergence

## TRANSACTION

INTERMEDIATE RYEGRASS

**Transaction Intermediate Ryegrass** (*Lolium hybridum*) shows superior performance for this species. Developed to appear and perform like a turf-type perennial ryegrass, but transition more like an annual ryegrass, Transaction (IRFL-2-11) is the ideal choice for Winter overseeding in the South, and perfect for use as a nurse grass in the North.

Transaction is a true intermediate ryegrass, a new type of ryegrass that combines the turf quality of perennial ryegrass with the quick transition of annual ryegrass. The result of years of breeding, Transaction was developed by a unique patented breeding process, Transaction provides a dark green, higher density turf that has shown improved salt tolerance. This intermediate ryegrass germinates at lower soil temperatures, which makes it an ideal problem solver in both cool and warm-season turf applications. Now the turfgrass manager can seed into colder temperature soils outside the primary planting window, with improved establishment.

Seeded alone, or blended with other ryegrass varieties, Transaction is excellent when used as a Winter overseed on dormant bermudagrass turf, from golf course fairways, tees and roughs to sports turf, parks and landscapes. Transaction was developed as an economical, attractive, Winter overseed alternative to the traditionally used annual or perennial ryegrass mixes. Use Transaction wherever a fast establishing, smooth transitioning turf is required.

Transaction is also ideal for use on Northern landscapes, sports fields, and golf courses to help a new cool season, permanent turf establish. As a nursegrass it is ideal for use when mixed with Kentucky bluegrass, tall fescue, or fine fescues, and in mixtures of these species. It provides a fast establishing, high quality, temporary turf cover, which fades away within 15-18 months, allowing the preferred permanent turfgrass to dominate.

**TRANSACTION**

INTERMEDIATE RYEGRASS

**2017-18 NTEP Golf Course Overseeding Trial - New Mexico State**

*Quality: 1-9; 9 = Best*

<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>
<b>Transaction</b>	<b>6.3</b>	Allsport 5	5.7	SPR	5.3
Champion GQ	6.0	Breakout	5.7	Ringles	5.1
Futura 2500	5.9	Transist 2600	5.7	<b>LSD@3%</b>	<b>1.6</b>
Black Pearl	5.8	Landmark WS3	5.6		
Stellar 3GL	5.8	Sun	5.4		

**2012-2013 Turf Quality Overseeding Trial - University of Arizona**

*Quality: 1-9; 9 = Best*

<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>
<b>Transaction</b>	<b>7.1</b>	Gulf	4.5
Solstice	6.0	Transfix	X
Quickdraw	5.3	IRT-1-15	X
TXR	5.3	<b>LSD@5%</b>	<b>0.3</b>
Panterra	5.1		

**2016-17 Fairway Overseeding Trial - University of Arizona**

*Quality: 1-9; 9 = Best*

<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>
Stellar 3GL	6.0	PPG-TIR-116	4.9	<b>LSD@3%</b>	<b>0.4</b>
JR-1064	5.4	Palmetto	4.6		
<b>Transaction</b>	<b>5.1</b>	Candidame	4.3		
Evening Shade	4.9	PSAR09-2	4.0		
IRT-1-15	4.9	Barterra/Terrabar	3.9		

**2016-17 Fairway Overseeding Trial - University of Arizona**

*Quality: 1-9; 9 = Best*

<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>	<i>Cultivar</i>	<i>Rating</i>
Pinnacle 3	6.2	<b>Transaction</b>	<b>5.7</b>	PSAR09-2	4.6
Palmetto	6.2	FLIR-1	5.6	<b>LSD@3%</b>	<b>0.7</b>
TAR-18L	6.2	IRT-1-15	5.6		
JR-1064	5.9	Barterra/Terrabar	5.5		
Candidame	5.8	4-121-R-13	5.3		