

# Top Flight™

## Golf, Multi-Use Sports Fields, Parks, & Lawns



Creates Lush, Green Turf



Germinates Quickly



Easy Chemical Removal

### Key features

- Easy chemical transition back to warm-season turf
- Fast establishing dense turf
- 3-way perennial ryegrass overseed blend

### Maintenance

Cool Season Overseeding:	8-10 lbs./M*
Warm Season Overseeding:	10-15 lbs./M*
Mowing (Recommendation)	2.0-3.0"
Mowing (Down to)	0.500"

\*M=1,000 square feet

**Top Flight is a specially designed 3-way blend of perennial ryegrass varieties created solely for the warm-season turf over-seed market.**

Top Flight creates a lush green turf that is excellent for golf courses, parks, sports fields and home lawns. Top Flight germinates fast while quickly establishing a dense turf. When transitioning back to warm-season turf, Top Flight will be easier to chemically remove than other elite perennial ryegrasses, that are more resistant to abiotic stresses.

## Technical Information

### Applications

Top Flight is a superior quality perennial ryegrass blend ideal for virtually all golf, sports turf, and recreational applications in cool to temperate climates. Featuring dark green perennial ryegrass varieties with strong genetics and mechanical purity, Top Flight is a popular choice when high quality is desired. Top Flight is an excellent solution for fall overseeding of turf to provide a boost in turf quality after rough summers and allows for year-round playability in warm season climates.

### Specifications

Top Flight is a quality blend of three varieties that can withstand heavy wear and tear on high traffic areas. Due to its vigorous growth habit and rapid germination, Top Flight is a strong competitor against weeds, especially annual bluegrass. Along with its quick establishment, Top Flight creates a uniform stand that maintains visual aesthetics.

### Establishment

Extra care should be taken during the first year for optimal establishment and to aid in weed suppression. Top Flight can be planted in sun or shade areas when night temperatures are about 50 degrees and the day temperatures are 70 degrees. In order to prepare for seeding, it is recommended to relieve current canopy density to allow Top Flight to contact the soil, ensuring germination. After seeding, irrigation should be applied 2-3 times daily at a light rate. Once you are ready to transition back to the desired warm-season turf, Top Flight has the ability to be chemically removed from the stand, reverting it back into the original turf.

\*M=1,000 square feet

## Trial Data

2019 Mixed species salt tolerance study at New Mexico State University.

ENTRY	SPECIES	Saline Irrigation Only			
		QUALITY	COVER	TURFGRASS STRESS (NDVI)	COLOR
BarRobusto	Tall fescue	7.5	93.8	0.7355	7.7
Turf Saver RTF	Tall fescue	7.4	89.6	0.7264	7.6
<b>Pinnacle III</b>	Perennial ryegrass	6.1	78.3	0.6656	7.1
Pirouette II	Perennial ryegrass	5.1	60.4	0.5801	5.7
Mighty	Perennial ryegrass	4.9	63.9	0.5777	6.1
SR 4660ST	Perennial ryegrass	4.0	47.4	0.5232	5.2
Sunrise	Perennial ryegrass	3.5	41.3	0.5267	5.0
*Electrical Conductivity (EC)		8.75			
*Sodium Absorption Rate (SAR)		19.8			

**Bolded** items indicate components of Top Flight blend (depending on availability). Above bolded line is the statistical top group.  
\*Trial irrigated to 100% ET replacement. Composite soil test results for salt accumulation of both treatments after study conclusion.

2016 Ryegrass overseed study on a Tifway 429 rough at University of Arizona.

ENTRY	SPECIES	Turf Quality			Transition (6/16/17)	
		MEAN QUALITY	MEAN COLOR	MEAN DENSITY	% RYE	% BERM
Pirouett	Perennial ryegrass	6.7	6.1	7.1	34%	62%
<b>Premier III</b>	<b>Perennial ryegrass</b>	<b>6.6</b>	<b>6.4</b>	<b>6.8</b>	<b>41%</b>	<b>53%</b>
<b>Pinnacle III</b>	<b>Perennial ryegrass</b>	<b>6.6</b>	<b>6.9</b>	<b>6.8</b>	<b>50%</b>	<b>46%</b>
JR-174	Perennial ryegrass	6.6	6.4	6.6	61%	36%
JR-1064	Perennial ryegrass	6.1	5.8	6.1	58%	35%
SOS	Turf annual blend	5.5	5.4	5.5	18%	60%
MidPoint	Intermediate ryegrass	5.6	5	5.7	28%	41%
LSD		0.7	0.4	0.5	17	18

**Bolded** items indicate components of Top Flight blend (depending on availability)

2012 Commercial perennial ryegrass overseed trial at Palm Springs, California

VARIETY	MEAN QUALITY	WINTER COLOR	BERM (SPRING)
CSI Blend	6.5	7.0	47.5
Infusion	6.4	7.0	35.0
<b>Goalkeeper II</b>	<b>5.9</b>	<b>6.7</b>	<b>53.3</b>
PhD	5.8	6.5	31.3
<b>Accent II</b>	<b>5.7</b>	<b>6.5</b>	<b>38.5</b>
Revenge GLX	5.7	6.0	35.0
Spyglass	5.5	6.8	46.3
Accent	4.4	4.5	27.5

**Bolded** items indicate components of Top Flight blend (depending on availability)

