

Shown here:  
FLAME tall fescue  
spreading rhizome



## \*NEW\* Tall Fescue that Spreads Like a Flame

- ✓ No netting in sod production is safer for athletes since there is no netting to catch on cleats
- ✓ Safer for the environment by eliminating the need for netting
- ✓ And, saves sod producers time and money in netting costs
- ✓ Superior density, dark color, fine leaf texture

Watch out for Jacklin's NEW **Flame** spreading tall fescue (*Festuca arundinacea*). **Flame** was developed over 10 years to insure that its rhizomatous spreading trait reaches the end user along with the improved turf characteristics you expect from a Jacklin variety.

**Flame** is aimed at eliminating the costly nylon netting used in commercial sod production of bunch-type tall fescue. Netting is a hassle for the sod producer to purchase and install and it is a hazard for sports fields where player's cleats can catch on the net for years to come.

**Flame's** increased rhizomes and spreading ability enables quick establishment and ability to repair damaged turf on areas with traffic such as sports fields.

**Improved Quality:** **Flame** provides superior density, dark color, and fine leaf texture. In addition to being selected for its spreading ability, the parental clones used to develop **Flame** have improved crown density.

**Adaptation:** **Flame** is adaptable to different management regimes - high, medium and low; including cutting heights of 1 to 3 inches (2.5-7.5 cm), with its best performance at 2 inches (5 cm).

**Areas of Use:** **Flame** is an excellent choice for use on home lawns, parks, athletic fields, golf course roughs or out-of-play areas and community green spaces.

**Seeding Rate:** 4-10 lbs/1,000 ft<sup>2</sup> (20-50 g/m<sup>2</sup>)



**BEAUTIFUL & AGGRESSIVE!**  
(top) **Flame** turf quality and disease resistance is not compromised for the knitting ability  
(below) Close-up of **Flame** rhizome taken out of a trial plot.

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S E E D  
by **Simplot**

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on Jacklin tall fescues

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Genetics Inside



## ASK THE BREEDER: Flame Question & Answer

A full video showing Flame sod being harvested can be found at:

[www.YouTube.com](http://www.YouTube.com)

Search: Jacklin Seed Research

**Q: How does Flame look in turf situations compared with other tall fescue varieties?**

A: Unlike spreading fescue varieties of the past, Flame has not sacrificed turf quality or disease resistance for knitting ability. You will find that Flame establishes fast, produces quality turf, and resists many troublesome summer diseases.

**Q: Is Flame strictly a sod producer product or does it have application elsewhere?**

A: Flame name is aimed at sod producers. But remember, the sod they grow will be used on home lawns, school grounds, golf courses and other turf facilities. Wherever it's planted, the knitting ability of Flame helps fill voids and wear areas, much like a bluegrass.

**Q: Does Flame work okay in mixtures and blends?**

A: Some mixtures function better than others. Mixing Flame with perennial ryegrass or with seed of a traditional tall fescue variety will dilute the knitting ability and may not produce "liftable" sod. On the other extreme, adding even 5% Kentucky bluegrass to Flame improves the lifting ability and shortens the time until sod harvest. Liberator and Everest are excellent choices for mixing.

**Q: How does Flame perform on muck (i.e. non-mineral) soils?**

A: Flame is a new product and we're still learning some of its advantages and limitations. The soils on which we have tested Flame have been primarily alluvial silt loam in nature. That's not to say Flame won't work on muck soils. It probably will. But try it out first on a smaller area and make up your mind.

**Q: Will I be able to see a lot of visible rhizomes in Flame like I see in bluegrass sod?**

A: The rhizomes in Flame take about 6 months to appear after seeding, which is still quicker than competing products. The number of rhizomes will depend on the density of the stand; denser turf will have fewer rhizomes by nature. But there also seems to be another factor other than rhizome count that determines the lifting ability of Flame. We believe it is the extremely dense white root system that inter-tangles and makes lifting possible, even without nylon netting.

**Q: When is the ideal time to cut and harvest Flame sod to maximize its lifting ability?**

A: Harvest time for any sod crop varies by months depending on geography, weather, soil type, planting date, and other factors. Before you plant a large field of Flame, we recommend you plant a smaller test field and try various harvest timings to see what works best for your personal situation.

**Q: What about seeding rate?**

A: That's a good question, because seeding rate induces a plant density that ultimately has an effect on stand knitting. In other words, if you plant too lightly or too heavily, the plants may not knit together as effectively as at an optimum seeding rate. At Jacklin Seed's research farm in Post Falls, Idaho, studies are underway to learn the optimal seeding rate for best knitting. Until those studies are complete, I would recommend 4 to 6 lbs./1,000 ft<sup>2</sup>.

**Q: When will seed of Flame be available for sale?**

A: NOW — the first harvest of Blue tag quality seed is in 2014. Contact your Jacklin representative.



Professor Tom Salaiz of University of Idaho holds a 7 foot sod slice of Flame tall fescue produced without netting



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