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### ROUGH BLUEGRASS

VARIETY	MARKETER	AVAILABILITY
Colt	Pickseed	C
Cypress	Turf Merchants	C
Laser poa trivialis	Lofts/Great Western	C
Sabre	International	C

### COMMON BLUEGRASS

VARIETY	MARKETER	AVAILABILITY
Delta	Jacklin	B
Kanblue	Jacklin/Lofts	B/A
Newport	Lofts/Great Western/ Jacklin	A/B
Park	Jacklin/Lofts	B/A
S-21	Jacklin	B
Garfield	Jacklin	B
98/85	Jacklin	B
85/80	Jacklin	B

### WINTER OVERSEEDING BLENDS

VARIETY	MARKETER	AVAILABILITY
Alliance	Turf Seed	B
Dixie	International	B
Dixie Green tall fescue	International	B
Dixie Green + Sabre	International	B
Double Eagle blend	Lesco	B
Double Eagle + Sabre	Lesco	B
Eagle Blend	Lesco	B
Futura tee & fairway	Pickseed	B
Futura 2000	Pickseed	B
Marvelgreen Brand	Lofts/Great Western	B
Medalist 6	Northrup King	B
Medalist 7	Northrup King	B
Medalist 7 + Sabre	Northrup King	B
Medalist 300	Northrup King	B
Medalist 400	Northrup King	B
Medalist 400 + Sabre	Northrup King	B
Medalist 60/40	Northrup King	B
Par 3	Lofts/Great Western	B
Ph.D	International	B
Ph.D + Sabre	International	B
Playmate	Roberts	B
Problend	Lesco	B
Quartet	VanderHave Oregon	B
Spectrum	Turf Merchants	A
Sunbird	Turf Merchants	B
Symphony	E.F. Burlingham & Sons	B
Tara-Green	Hubbard Seed & Supply	B



### WINTER OVERSEEDING BLENDS cont.

VARIETY	MARKETER	AVAILABILITY
Triple Play	Fine Lawn Research	B
Triplets	Lofts/Great Western	B
Ultima (blue tag)	Lofts/Great Western	B
V.I.P. Rye	Turf Merchants	A
Vintage Plus	Lesco	B
Winter Turf I	O.M. Scott	B
Winter Turf III	O.M. Scott	B/C
Winter Turf V	O.M. Scott	B
Winter Turf IX	O.M. Scott	B
Winter Turf X	O.M. Scott	B
Yahoo!	Northrup King	B

### PERENNIAL RYEGRASS

VARIETY	MARKETER	AVAILABILITY
Accolade	O.M. Scott	B/C
Accord	Olsen-Fennel	B
Advent	Jacklin	B
Allaire	Turf Merchants	A
All-Star	Jacklin/Vaughan's/ J+L Adikes, Inc.	B/B/C
Asure	Lesco	B
Aquarius	Turf Merchants	B
Belle	E.F. Burlingham & Sons	C
Birdie II	Turf Seed	C
Blazer II	Pickseed	C
Brenda	VanderHave	B
Caddie	Northrup King	C
CBS (blend)	Turf Seed	B
Calypto	Roberts	B
Champion	Seed Research of Oregon	B
Charger	Turf Seed	B
Citation II	Turf Seed	B
Commander	Lesco	B
Competitor	E.F. Burlingham & Sons	B
Cowboy	Lofts/Great Western	B
Dandy	Northrup King	B
Dasher	Pickseed	B
Delray	Northrup King	B
Derby	International	B
Dimension	VanderHave Oregon	C
Edge	Pickseed	C
Envy	Zajac	C
Fiesta II	Pickseed	B
Gator	International Seeds	C
Goalie	Northrup King	C
Jazz	Pickseed	B
Laredo	Turf Merchants	A
Lariat	Turf Merchants	C
Legacy	Lesco	C
Lindsay	International Seeds	C
Lowgrow	Pickseed	C



### PERENNIAL RYEGRASS cont.

VARIETY	MARKETER	AVAILABILITY
Manhattan II	Turf Seed/Turf Merchants	B/B
Mondial	VanderHave	B
NK 200	Northrup King	B
Nova	VanderHave Oregon	B
Nomad	Turf Merchants	B
Omega II	Zajac Performance Seeds	B
Ovation	O.M. Scott	B
Palmer	Lofts/Great Western	B
Patriot	Turf Merchants	B
Pebble Beach	Fine Lawn Research	C
Pennant	E.F. Burlingham & Sons	B
Plus	Olsen-Fennel	B
Ranger	VanderHave Oregon	B
Regency	Lesco	B
Repell	Lofts/Great Western	C
Regal	International	B
Prelude	Lofts/Great Western	B
Riviera	Roberts	B
Rodeo	Turf Merchants	B
Saturn	Turf Seed/Zajac Performance Seeds	B/B
Sheriff	VanderHave Oregon	B
Stallion	Fine Lawn Research	B
SR4000	Seed Research of Oregon	B
SR4100	Seed Research of Oregon	B
SR4200	Seed Research of Oregon	C
246 Sunrye	Turf Seed	B
Target	Northrup King	B
Vantage	Proprietary Seeds	B
Vintage 2DF	Lesco	B
Yorktown II	Lofts/Great Western	C

### CREEPING RED FESCUE

VARIETY	MARKETER	AVAILABILITY
Cindy	International	B
Dawson	VanderHave	C
Fortress	Turf Seed	C
Jasper	Pickseed	C
Shademaster	Lesco/Turf Seed	B/C
Vista	Zajac Performance Seeds	C

### CHEWINGS FESCUE

VARIETY	MARKETER	AVAILABILITY
Atlanta	VanderHave Oregon	B
Camaro	Fine Lawn Research	1991
Center	Turf Merchants	B

packaging programs which formerly had a competing commodity as their primary ingredient are now changing



back to Kentucky bluegrass."

Mike Robinson of Seed Research of Oregon had good news to report in the tall fescue department. "We had a dry fall last year, and some very hot weather during pollination," explains Robinson, adding that tall fescue yields were above average.

Jacklin of reports that there has

*'Seed production acres are up and very good yields are anticipated.'*

—Joe Churchill  
Northrup King

been "a tremendous increase" in turf-type tall fescue acreage.

"This year, there will be an adequate amount of tall fescue available," says Jacklin, "with selected shortages on some of the newer, elite dwarf types."

Both Wick and Robinson say the fine fescue crop was light. "The 1990 Oregon fine fescue crop looks thin," says Wick. "Many of the fields are four years or older, which may reduce yields. Coupled with hot weather stress early this spring, these factors point to a 'short' crop. No one expects anything above an average crop of fine fescues."

Churchill says yields on perennial ryegrasses came in "as expected, if not a little better. One field of Dandy



# Fine Fescue Defined

## What are Fine Fescues and why are they so important to turf managers?

Our Fescue turfgrasses are part of most every park, golf course, industrial campus, athletic field, condominium commons and home lawn from the transition zone, Northward.

But, many people are not aware of that. Perhaps we are the most overlooked turfgrass in existence.

We feel that Fine Fescues are the best turf investment a grounds manager can make. And, we'd like to point out *why*.

Fine Fescues are *real* grass. And, as with all living things, there is give and take. Sure, our Fescues take water and some maintenance, but they are better *givers*. Our natural grass turns noxious gases into oxygen and is a natural air conditioner for turf users.

We feel that while artificial turf has its place on locker room floors, it has no business where *real* people work, play and relax. Our grass is just *naturally* more refreshing.

Our Chewings (*Festuca rubra commutata*) and creeping red (*Festuca rubra rubra*) Fescues are rather unique when compared with other turfgrass species. Although they have most of the features of other cool season grasses, Fescues have several distinct benefits worth noting.

*Fine Fescues are low maintenance.* Our varieties require less fertilizer and water than other species. That's a big *plus* at today's water, fertilizer and manpower prices.

*Fine Fescues fare well around trees.* It seems our grass doesn't need as much sunlight, water and nutrients as other turfgrass species. Because Fescues don't compete with trees for these important elements, they're called *shade grass*. Our Fescues don't creep into flower beds, nor crowd out other species in a mixture.

And, because they're Oregon grown, our Fescues germinate, adapt and perform better than imported types.

## You'd expect to pay a fortune for such a turfgrass, but Fescues are quite reasonable

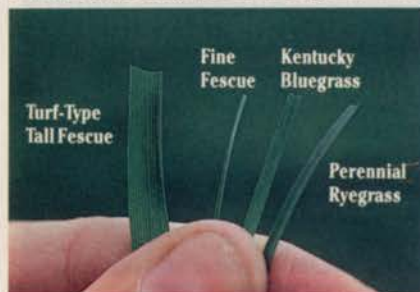
Why don't Fescues cost a great deal? Fine Fescues have been around a long time and

have been changed very little. Why mess with a good thing? While other former "pasture" species are coming closer to looking like our old standard; receiving notoriety for their "improvements" and enjoy the price increases associated with the word "new," our Fescues have continued what they do best... support the up-and-comers. But then, Fine Fescues were meant to be stepped on.

## Fine Fescues are Ideal for Recreation, Sports and Leisure

Not only do Fine Fescues excel alone or in perennial ryegrass/Kentucky bluegrass mixtures on horizontal playing surfaces; Fescues are excellent for low maintenance areas like berms, roadside banks, ski slopes and hilly spots that don't retain moisture. So, you see, Fescues are ideal all-around grasses for *all around* your recreation and sports facility. Their low maintenance requirements offer *turf managers* a chance for a little more leisure... and there's nothing wrong with that.

For a series of nine tech sheets on Oregon grown Chewings and creeping red Fescues, call or write:



## Oregon Fine Fescue Commission

866 Lancaster Dr. SE  
Salem, OR 97301  
503/585-1157

perennial ryegrass cleaned out at 2,450 pounds per acre, a great increase from what would usually be 1600 pounds per acre."

According to Steve Tubbs, vice president/general manager of Turf Merchants, Inc., the harvest in general was good, except for the Madras area, where a good portion of the proprietary bluegrasses are grown. Tubbs says yields in that area were off about 30 percent. "In fact," says Tubbs, "one major proprietary is being allocated. The common bluegrass in Washington and Idaho was out-yielding the

proprietarys in Madras."

"The bentgrass supply has finally caught up with demand," says Tubbs. "There are no shortages in VIP creeping bent blend, and no price erosion except in the commons like Seaside."

Tubbs says the seed market is in a near-price war situation.

"People are getting more aggressive," says Tubbs. "Companies that have never been guilty of price cutting are (cutting prices) for various inventory and cash flow reasons."

*continued on page 46*

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**CHEWINGS FESCUE cont.**

VARIETY	MARKETER	AVAILABILITY
Dawson	Northrup King	C
Enjoy	International	B
Epsom	VanderHave Oregon	C
Jamestown	Lofts/Great Western	B
Jamestown II	Lofts/Great Western	NA
Jasper	Pickseed	NA
Koket	E.F. Burlingham & Sons	B
Longfellow	International	C
Mary	VanderHave Oregon	C
Roulette	Olsen-Fennel	C
Shadow	Turf Seed	B
SR 5000	Seed Research of Oregon	C
Victory	Pickseed	B
Waldorf	VanderHave Oregon	B

**HARD FESCUE**

VARIETY	MARKETER	AVAILABILITY
Attila	Turf Merchants	B
Aurora	Turf Seed	B
Crystal	Lofts/Great Western	B
Reliant	Lofts/Great Western	B
Scaldis	VanderHave Oregon	C
Silvana	VanderHave Oregon	C
SR 3000	Seed Research of Oregon	B
Spartan	Pickseed	B
Valda	International Seeds	C

**SHEEP FESCUE**

VARIETY	MARKETER	AVAILABILITY
Azay	Pickseed	C
Bighorn	Turf Seed	C
MB-86	Jacklin	C

**ANNUAL RYEGRASS**

VARIETY	MARKETER	AVAILABILITY
Common	Pickseed	A
Concord	Olsen-Fennel	B
Gulf	Proprietary Seeds	B

**BENTGRASS**

VARIETY	MARKETER	AVAILABILITY
Carmen	VanderHave Oregon	C
Cobra	International Seeds	B
Emerald	International Seeds	B
National (creeping)	Pickseed	B
Penncross	Northrup King/Turf Seed	B/B
Penneagle	Northrup King/Turf Seed	B/B
Penlinks	Northrup King/Turf Seed	B/B
Penrway	Northrup King/Turf Seed	B/B
Penrtio	Northrup King/Turf Seed	B/B
Providence	Seed Research of Oregon	B
Putter	Jacklin	B
SR 1020	Seed Research	B
Traconta	VanderHave Oregon	C
V.I.P. blend	Turf Merchants	A
Southshore	Lofts/Great Western	Fall, 1991

**FINE FESCUE**

VARIETY	MARKETER	AVAILABILITY
SR 3200 (blue fescue)	Seed Research of Oregon	C
Dawson red	Northrup King	B
Dover chewings	Northrup King	B
Ruby creeping	Northrup King	B
Scaldis hard	Northrup King	B
Flyer creeping red	Fine Lawn Research	C

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## Planted seeds yield new varieties

**Northrup King** has begun to market two new perennial ryegrasses, Andy and Target. Joe Churchill says both contain endophytes, and will exhibit good insect resistance. Both have a dark green color described as "exceptional," and good tillering capability.

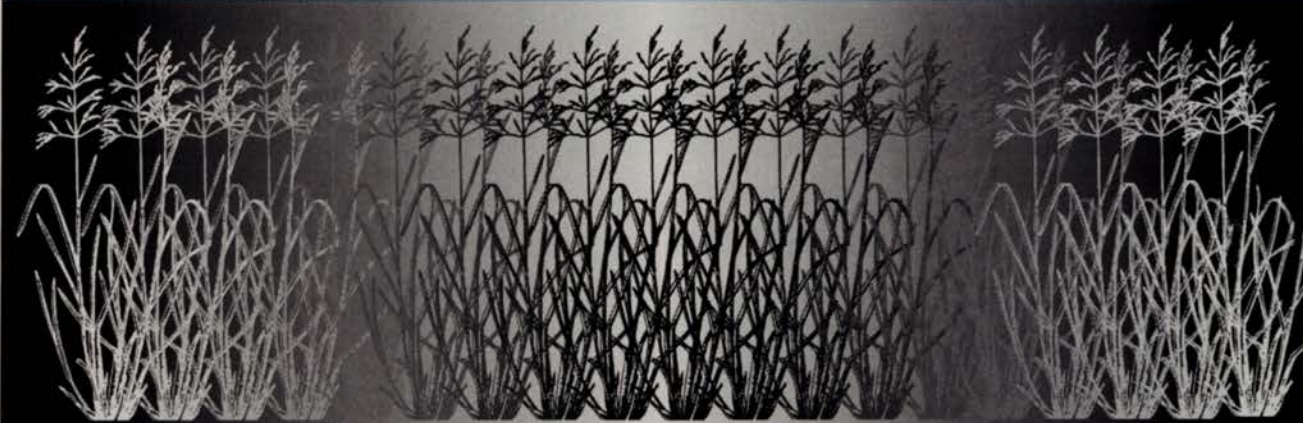
Sheri Burlingham reports that **E.F. Burlingham & Sons** has begun production of Opal, the latest Ken-

ety available in greater quantities next year. Robinson describes Crusader as a high endophyte mixture that is very low maintenance. The mix consists of SR 4200 perennial ryegrass, SR 3000 hard fescue, and SR 5000 chewings fescue.

Cobra creeping bentgrass now appears on golf course spec sheets for tees and fairway, says Doug Toews of **International Seeds**. Toews says

very heat and drought tolerant and has high disease resistance. Gayle Jacklin says Advent is good for overseeding dormant winter grasses and can be used on the entire golf course.

From **VanderHave Oregon, Inc.** comes word of Sapphire, a new release turf-type tall fescue, which will be in adequate supply until 1991. James Butala of VanderHave



tucky Bluegrass to come from the breeders of Naga and Sydsport. Supply of Opal is very limited. Opal is listed in the national trials as WWAG 495.

**Lesco's** Art Wick says the new Legacy dwarf perennial ryegrass is a new "elite" variety selected for its dwarf growth habit, fine texture and very dark green color.

According to Wick, Legacy exhibits improved resistance to leaf-spot and brown patch, and contains a 94 percent endophyte level, providing resistance to above-ground feeding insects.

Wick also reports that Lesco is evaluating new experimental tall fescues for regional use. "Several experimentals, especially targeted for the Southeast, are in their final stages of evaluation and release of two varieties from this program is expected in 1990," says Wick.

From Seed Research of Oregon comes a favorable report on SR 2000, a Kentucky bluegrass developed to blend with turf-type tall fescues. **Mike Robinson** says the variety is very compatible with the fescues, yet can also do well on its own. "It's lower growing and very attractive," says Robinson, "with nice density, color and leaf texture."

Crusader is a Seed Research vari-

ety available in greater quantities next year. Robinson describes Crusader as a high endophyte mixture that is very low maintenance. The mix consists of SR 4200 perennial ryegrass, SR 3000 hard fescue, and SR 5000 chewings fescue.

Scott Patterson of **Peterson Seed Co.** tells us that Monopoly bluegrass was rated No. 1 in Kentucky and No. 2 in Iowa, in the USDA's low maintenance trials.

"With the turf-type tall fescues, we've taken a grass that we've known for years to have good drought tolerance, but has never been overly attractive," says Toews. "So now we have varieties that are darker in color, more attractive for home lawns, and that also work in golf course bunkers."

**Lofts Seed, Inc.** recently introduced "an unusually aggressive" new Kentucky bluegrass. The company reports that P-104, marketed under the name Princeton, is so vigorous that only between 5 and 15 percent completely dominates a sod blend in two-three years. Princeton, says Lofts, is the only commercial bluegrass that combines aggressive growth with high quality.

**Jacklin Seed Co.** reports that Advent, a new release from Rutgers University, is a new class of perennial ryegrass: slow growing, low-growing, and very dense. It's also

also reports that Dimension, a new turf-type perennial ryegrass is also available, but quantities are limited at this time.

Customers of **Zajac Performance Seeds** have two new varieties to choose from, says Sandy Zajac: Vista, a spreading red fescue, and Envy, Zajac's new perennial ryegrass.

Bill Junk reports that Flyer creeping red fescue from **Fine Lawn Research**, Dublin, Ohio marks a new generation of that variety, usually referred to as the turf market's "poor cousin." Flyer is a low-growing turf-type spreading red, capable of producing an attractive, dense, fine-textured turf with a dark green color. It has performed well in U.S. turf trials, and exhibits excellent resistance to powdery mildew and red thread.

New from Turf Seed, Inc. is Penntrio, a certified blend of Pennncross, Pennegle and Pennlinks.

"There has been a demand from superintendents for a certified bentgrass blend," explains marketing manager **Tom Stanley**. "The broader genetic base from the three-way blend," says Stanley, makes Penntrio more adaptable to wide range of conditions."

—Terry McIver □

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All the elements of a good low-maintenance landscape are combined in the Sea Island, Ga landscape. Note the native live oaks, the excellent use of ground covers, and the use of durable, adaptable plants.

# LOW-MAINTENANCE LANDSCAPING

Rising costs, shrinking budgets and increasing regulations have forced many landscapers to shift toward creating low-maintenance landscapes.

by Gary L. Wade, Ph.D., University of Georgia

If asked to name a practice that best describes the current and future trend in the landscape industry, I would say, "low-maintenance."

Rising costs, reduced budgets and a new environmental awareness have triggered a sort of renaissance movement in the landscape industry; a time for breaking away from some of the more labor-intensive landscape practices in favor of more low-maintenance alternatives.

## Tougher regs

Still another factor forcing many to take a closer look at low maintenance options are the tough environmental issues facing the landscape industry. Issues like pesticide use, groundwater contamination, water conservation, and waste management are not going away.

Ironically, the commercial landscape industry is cashing in on the environmental movement with all sorts of new services and marketing techniques, such as xeriscaping. As a result, the entire landscape industry has benefitted because the public no longer perceives the landscape industry as a villain but a leader in water conservation.

## More with less

Perhaps the greatest challenge in low-maintenance landscaping is to cut costs without sacrificing the aesthetic quality and beauty of the environment. One of the most visible examples of how this is being done is the extensive wildflower projects along our highways.

Commercial landscapers are also

using the no-mow, meadow gardening approach on highly erodible banks and as an alternative to turf areas.

Low-maintenance landscapes don't just happen. They require careful consideration of low-maintenance concepts in all three phases of the overall landscape scheme, from design to installation to follow-up and management.

## The design phase

The design phase is probably the most critical time to implement low-maintenance concepts. Follow-up management needs largely depend on the initial design.

Take into account the plants' adaptability to the intended site and their maintenance requirements. Overplanting during installation is a





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common mistake that results in maintenance nightmares as plants mature.

Sometimes a high-maintenance landscape is inherited at the management phase. A formal garden filled with neatly sheared hedges, topiary, extensive rose plantings, large beds of annuals and espaliers on every vacant wall, can be a maintenance monstrosity. One possible solution is to use durable varieties of annuals that

don't require frequent attention, tough herbaceous perennials, pest-tolerant rose cultivars and chemical plant growth regulators on formally pruned plants.

#### Low-maintenance examples

During the design phase, *don't fight Mother Nature*. Capitalize on natural surroundings by preserving native areas and nature's own low-maintenance

contribution to your design.

If left totally undisturbed, native areas will require no fertilizer or pruning, and they will have a high degree of pest tolerance.

Some thinning or adding a few flowering trees and shrubs for color is acceptable, but keep the future maintenance requirements in mind when you make changes.

Turfgrass is a very functional plant

## Creating low maintenance landscapes

Here are some additional considerations to keep in mind about low-maintenance landscapes:

**Select plants adapted to the site and the imposed stresses of the environment.** In addition to texture, form and other artistic features of a plant, consider its cold hardiness, drought tolerance, pest tolerance, water needs, and pruning requirements.

**Select plants that are aggressive enough to compete with weeds and shade them out as much as possible.** Trees that create a litter problem, such as sycamore, sweetgum, crabapple and female ginkgo, should be planted away from public areas.

**Concentrate seasonal color in areas where it can be easily maintained.** Make beds narrow enough so that all the flowers are within arm's reach and don't have to be trampled by maintenance workers. Consider flowering shrubs and herbaceous perennials as alternatives to demanding annuals.

**Note the foot traffic patterns in public areas and design**

**around them.** The shortest distance between two points is a straight line, and the public is going to take a path of least resistance, even if it means trampling plants or turf.

**Design plant beds with wide sweeping curves.** Think about the equipment you have to maintain the landscape before designing those little islands with sharp curves.

**Remove construction debris and mortar from new construction sites before planting.** Removing these hazards to plant growth will prevent maintenance problems later on.

**Determine soil drainage.** Dig a hole the size of the typical planting hole, fill it with water and watch how it drains. If water is still standing in the hole four hours later, the soil has a drainage problem that should be corrected before planting.

**Thoroughly cultivate the soil when planting.** This will improve soil structure and encourage root growth establishment.

**Give ornamentals space.** When planting solitary ornamentals, dig a large hole, twice

as wide as the root ball.

**Plant annuals and herbaceous perennials on elevated beds to assure good drainage and to enhance their visual impact.** Direct seeding of durable annuals, like marigolds, zinnias, and cosmos will reduce labor costs of transplanting.

**Use slow-release fertilizers.** Slow-release fertilizers placed in the planting hole are a cost-effective way of reducing follow-up maintenance requirements. Some slow-release fertilizers release nutrients for up to 24 months after application.

Excess fertilizer results in excess growth that demands more frequent pruning and more water, and most landscapes are over-fertilized, since they can probably be maintained with 1 to 2 pounds of nitrogen per 1000 sq. ft. each season.

Apply fertilizer at the beginning of the growing season, particularly if it contains a slow-release nitrogen source, such as ureaform, ammoniacal nitrogen, or IBDU.

—Dr. Wade