

# **BESTFOR PLUS** TETRAPLOID

*(Lolium Hybridum) Specialty Forage*

**Bestfor Plus** is a new specialty forage grass particularly useful in applications such as dairy and beef grazing operations, where high yields, excellent digestibility, and exceptional palatability are desirable. It's high feed value, fast growth and impressive digestibility levels encourage rapid weight gain on any livestock.



**Bestfor Plus** is a "Lolium Hybridum", meaning that it grows fast like an annual or Italian ryegrass, but lasts longer than one year. Typically Lolium Hybridums start thinning out rapidly after the third year.

**Bestfor Plus** is also a tetraploid, meaning it has larger leaves and is more upright and open in its growth, making it useful for both grazing and mechanical harvesting. It is also very high in sugar content and considered a "high energy" forage.

**Bestfor Plus** establishes very quickly. If your experience is like ours, and independent researchers, you will find **Bestfor Plus** coming up after planting at an amazing rate. In the official university trials at Penn State in the fall of 2003, **Bestfor Plus** was literally **two inches higher** than all other entries after only two weeks of initial growth!

**Bestfor Plus** was bred for improved rust resistance and increased winter hardiness.

| <b>Bestfor Plus Characteristic</b> |                |
|------------------------------------|----------------|
| Longevity                          | 2-3 years      |
| Germination                        | 5-7 days       |
| Endophyte Level                    | Very Low       |
| Crude Protein                      | 16-20%         |
| FDN                                | 47-50%         |
| FDA                                | 27-29%         |
| TDN                                | 60-75%         |
| Seeding Rate                       | 25-30 lbs/acre |
| Recommended Ph level               | 5-8            |

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## **Trial Results**

In annual ryegrass trials, **Bestfor Plus** has out-yielded many well known varieties, even though **Bestfor Plus** is a multi-year ryegrass. Additionally, in recent trials in Michigan and Kentucky, Bestfor Plus has shown its ability to be planted in the fall and out-produce many other varieties and species the first year.

COMPETE TRIAL RESULTS ON THE NEXT PAGE

## TRIAL RESULTS

### Northern Trials

*In Michigan's East Lansing Trial, Bestfor Plus scored higher than all the other ryegrasses, and even out-scored some other species!*

| <b>Mich. State Univ. Exp. Station, East Lansing, MI</b>  |           |             |             |             |              |               |
|--|-----------|-------------|-------------|-------------|--------------|---------------|
| Seeded Aug 5th, 2003 on Conover loam, tile drained soil<br>(yield in tons/acre)  |           |             |             |             |              |               |
| Cultivar   | Species   | 2006 Total  | 2005 Total  | 2004 Total  | 3-yr Total   | Winter Injury |
| <b>Bestfor Plus</b>  | <b>IR</b> | <b>3.55</b> | <b>2.28</b> | <b>8.21</b> | <b>14.04</b> | <b>2.0</b>    |
| Spidola  | PR        | 3.26        | 2.81        | 6.55        | 12.62        | 1.7           |
| MTV1   | PR        | 3.15        | 2.83        | 6.53        | 12.51        | 1.0           |
| Matrix   | PR        | 2.59        | 1.88        | 5.10        | 9.57         | 2.2           |
| Isd  |           | 0.59        | 0.78        | 1.44        | 2.20         | 0.48          |
| <i>IR - Intermediate Rye, PR - Perennial Ryegrass,</i>   |           |             |             |             |              |               |
| Fertilizer: 120 lbs N/a 46-0-0 at green up, 200 lbs N/a 34-0-0 after cut 1 and 2   |           |             |             |             |              |               |
| *not significantly different from the highest numerical value in the column based on the LSD   |           |             |             |             |              |               |
| More trial data from Michigan State University is available at <a href="http://web1.msue.msu.edu/fis/research.htm">http://web1.msue.msu.edu/fis/research.htm</a> |           |             |             |             |              |               |

*In Kentucky, Bestfor Plus had difficulty coming out of winter the first year, but still ended up with the highest tonnage for the year. The same is true for the second year.*

| <b>University of Kentucky, Lexington, KY</b>   |                |                            |             |              |
|--|----------------|----------------------------|-------------|--------------|
| Ryegrass Trial - Seeded Sept 13th, 2004  |                |                            |             |              |
| Cultivar   | Seedling Vigor | Total Yield (in tons/acre) |             |              |
|  |                | '05                        | '06         | 2-yr         |
| <b>Bestfor Plus</b>  | <b>5.0</b>     | <b>4.06</b>                | <b>2.98</b> | <b>7.04*</b> |
| Linn   | 3.3            | 3.80                       | 2.65        | 6.44*        |
| Amazon   | 3.0            | 3.82                       | 2.36        | 6.19*        |
| Bastion C-2  | 3.0            | 3.36                       | 2.35        | 5.70*        |
| Isd  | 0.4            | 0.90                       | 0.64        | 1.14         |
| * not significantly different from the highest numerical value in the column based on the LSD  |                |                            |             |              |
| Complete trial results at <a href="http://www.ca.uky.edu/agc/pubs/pr/pr544/pr544.pdf">www.ca.uky.edu/agc/pubs/pr/pr544/pr544.pdf</a> |                |                            |             |              |

| <b>Penn State University, Rock Springs, PA</b> |            |                |             |             |
|--|------------|----------------|-------------|-------------|
| Ryegrass Trial - Seeded April 20th, 2004       |            |                |             |             |
| Cultivar                                       | Date       | Quality by NIR |             |             |
|  | Cut        | Protein        | ADF         | NDF         |
| <b>Bestfor Plus</b>                            | <b>6/1</b> | <b>11.7</b>    | <b>33.4</b> | <b>58.8</b> |

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### Southern Trials

| <b>Beaumont, TX 1996-97</b>   |              |            |
|---|--------------|------------|
| Winter Annual Ryegrass Trial<br>Seeded in the Fall, cut 10 times<br>between Nov and May (yield in<br>tons/acre) |              |            |
|   | Total        | Percent    |
| Cultivar  | Yield        | Crown Rust |
| <b>Bestfor Plus</b>   | <b>5,429</b> | <b>9%</b>  |
| Jumbo   | 5,398        | 8%         |
| Rio   | 5,233        | 8%         |
| Gulf  | 5,033        | 6%         |
| Tam 90  | 4,656        | 15%        |
| Isd   | 686          |            |

| <b>Fairhope, Alabama</b>   |              |
|--|--------------|
| Winter Annual Ryegrass Trial<br>Seeded in the Fall, cut 5 times<br>between Jan and May<br>(yield in tons/acre) |              |
| Cultivar   | Total Yield  |
| <b>Bestfor Plus</b>  | <b>8,355</b> |
| Rio  | 8,153        |
| Hercules   | 7,671        |
| Gulf   | 7,320        |
| Isd  | 717          |

\* Complete trial results available upon request.