



Trophy -- A New Winter Oat Cultivar for Both Grain and Forage¹

Ann Blount, Ronald Barnett, Stephen A. Harrison, and Cheryl Mackowiak²

Trophy is a new winter oat cultivar that was co-developed by Louisiana State University Agricultural Center (LSUAC) and University of Florida (UF). It is released under the SUNGRAINS consortium. Trophy has considerable potential for grain, forage, conservation tillage, and wildlife purposes in the Southern U.S. It has good straw strength and excellent crown rust and stem rust resistance. As with most eastern oat varieties, Trophy is susceptible to Barley Yellow Dwarf Virus (BYDV) infection. Delaying planting until cooler weather prevails tends to alleviate the spread of the virus since it is aphid vectored. When planted early fall for forage, Trophy is very disease resistant although BYDV infection may result in some stunting and leaf discoloration.

Grain Production

Trophy (experimental line LA9810) has excellent grain yield and high test weight. Trophy had a two-year mean yield (2004 and 2005) of 114.1 bu/acre in LA (5.0 bu/acre greater than the leading variety (Plot Spike LA9339) and 13.6 bu/acre greater than the test mean). It had the highest test weight of

all entries of 35.9 lbs/bu (3.0 lbs/bu greater than the test mean). Trophy heads about 4 days later than Horizon 474 and 2 days earlier than Horizon 321.

Trophy was tested in the USDA Uniform Winter Oat Yield Nursery across the region from 2003 though 2005 and competed favorably with high yield, high test weight, low lodging and excellent disease resistance.

Forage Production

Trophy was tested for forage yield at several locations in the southeastern U.S. during 2005. It had an average forage yield of 6795 lbs/acre in Georgia (Tifton, Plains, and Griffin). This was slightly below the test average of 7202 lbs/acre and equal to that of Harrison (6991 lbs/acre). Trophy had a two-year mean forage yield of 7608 lbs/acre compared to a mean of 7894 lbs/acre for all entries in the trial.

The 2005 forage data for Louisiana state variety testing is available at:
<http://www.agctr.lsu.edu/NR/rdonlyres/88015E34->

-
1. This document is SS AGR 282 one of a series of the Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date October 2007. Visit the EDIS Web Site at <http://edis.ifas.ufl.edu>.
 2. Ann Blount, associate professor, Agronomy Department, North Florida Research and Education Center--Marianna, FL; Ronald Barnett, professor, Agronomy Department, North Florida Research and Education Center--Quincy, FL; Stephen A. Harrison, Louisiana State University Agricultural Center; Cheryl Mackowiak, assistant professor, North Florida REC - Quincy, FL; Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL 32611.

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. U.S. Department of Agriculture, Cooperative Extension Service, University of Florida, IFAS, Florida A. & M. University Cooperative Extension Program, and Boards of County Commissioners Cooperating. Larry Arrington, Dean

Trophy -- A New Winter Oat Cultivar for Both Grain and Forage

2

531D-46ED-BE85-83D731A82F1A/14864/
RS167.pdf. Trophy had a mean forage yield of 6208
lbs/acre across two locations in Louisiana for 2005.
The mean of 12 oat entries was 6232 lbs/acre.

Trophy oat is considered to be an excellent
choice for grain, forage and wildlife use across the
southern and U.S.