



2021 Orchardgrass Report

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Introduction

Orchardgrass (*Dactylus glomerata*) is a high-quality, productive, cool-season grass that is well-adapted to Kentucky conditions. This grass is used for pasture, hay, green chop, and silage, but it requires better management than tall fescue for greater yields, higher quality, and longer stand life. It produces an open, bunch-type sod, making it compatible with alfalfa or red clover as a pasture and hay crop or as habitat for wildlife.

This report provides current yield data on orchardgrass varieties included in yield trials in Kentucky as well as guidelines for selecting orchardgrass varieties. Consult the UK Forage Extension website (<https://forages.ca.uky.edu>) to access all forage variety testing reports from Kentucky and surrounding states and a large number of other forage publications.

Important Selection Considerations

Maturity. Orchardgrass varieties will range in maturity from early to late, based on the date of heading. In this report, early-maturing varieties will in general have higher first-cutting yields than later-maturing varieties because they are

more mature at the date of first cutting. Orchardgrass typically matures earlier in the spring than red clover or alfalfa. Later-maturing varieties are preferred for use with red clover or alfalfa because they are at a more optimal stage of maturity when the legume is ready for cutting. A recent publication provides a good overview of orchardgrass maturity over time and over years (see Table 1).

Local adaptation and seasonal yield.

Choose a variety adapted to Kentucky, as indicated by good performance across years and locations in replicated yield trials such as those presented in this publication. Also, look for varieties that are productive in the desired season of use.

Seed quality. Buy premium-quality seed high in germination and purity and free from weed seed. Buy certified seed or proprietary seed of an improved variety. An improved variety is one that has performed well in independent trials. Other information on the label will include the test date (which must be within the past nine months), the level of germination, and the percentage of other crop and weed seed. Order seed well in advance of planting time to assure it will be available when needed.

Description of the Tests

Data from three studies are reported. Orchardgrass varieties were sown at Lexington (2018, 2019, and 2020). The soils at Lexington (Maury) is a well-drained silt loam and is well-suited to orchardgrass production. Seedlings were made at the rate of 20 pounds per acre into a prepared seedbed with a disk drill. Plots were 5 feet by 20 feet in a randomized complete block design with four replications with a harvest plot area of 5 feet by 15 feet. Nitrogen was top-dressed at 60 pounds per acre of actual nitrogen in March, after the first cutting, and again in late summer, for a total of 180 pounds per acre per season. The tests were harvested using a sickle-type forage plot harvester to simulate a spring cut hay/summer grazing/fall stock-pile management system. Fresh weight samples were taken at each harvest to calculate percent dry matter production. Management practices for establishment, fertility (P, K, and lime based on regular soil tests), weed control, and harvest timing were in accordance with University of Kentucky recommendations.

Table 1. Regional orchardgrass maturity comparison (2011-2014).

Variety	Maturity Rating ¹				
	KY	PA	UT	VA	WI
BAR DGL 1GRL	3.3	3.0	3.3	3.6	2.3
Barlegro	1.0	1.5	1.7	1.0	2.2
Benchmark Plus	3.1	2.7	2.7	3.2	2.4
Crown Royale	2.9	2.6	3.1	1.5	2.2
Dascada	1.6	2.3	2.3	1.1	2.6
Excellate SA	1.7	2.1	1.8	1.1	2.0
Harvestar	2.1	2.1	2.2	1.2	2.1
Pennlate	3.0	2.6	2.6	1.2	2.2
Persist	3.3	2.9	3.2	2.2	2.7
Potomac	2.4	3.2	2.7	1.2	2.6
Prairie	3.0	2.6	3.1	1.7	2.6
Profit	2.9	2.5	3.0	1.3	2.3
Quickdraw	3.1	3.1	2.7	2.6	2.4
LSD ²	0.4	0.4	0.5	0.9	0.3

¹ Rating of 1 to 4: 1 = very late; 4 = very early.

² Varieties significantly differ based on LSD.

For complete article: Hay and Forage Grower, March 2018.

Table 2. Temperature and rainfall at Lexington, Kentucky in 2019, 2020, and 2021.

	2019				2020				2021 ²			
	Temp		Rainfall		Temp		Rainfall		Temp		Rainfall	
	°F	DEP ¹	IN	DEP	°F	DEP	IN	DEP	°F	DEP	IN	DEP
JAN	33	+2	4.11	+1.25	40	+9	3.72	+0.86	34	+3	4.51	+1.65
FEB	42	+7	7.64	+4.43	38	+3	5.14	+1.93	31	-4	4.60	+1.39
MAR	43	-1	3.49	-0.91	51	+7	3.79	-0.61	50	+6	5.12	+0.72
APR	54	+4	4.76	+0.88	52	-3	4.92	+1.04	54	-1	2.72	-1.16
MAY	69	+5	4.49	+0.02	62	-2	5.69	+1.22	62	-2	4.34	-0.13
JUN	73	+1	6.13	+2.47	72	0	2.56	-1.10	73	+1	6.26	+2.60
JUL	79	+3	3.30	-1.70	79	+3	3.23	-1.77	75	-1	5.90	+0.90
AUG	77	+2	2.42	-1.51	75	0	3.41	-0.52	76	+1	6.16	+2.23
SEP	77	+9	0.18	-3.02	68	0	4.43	+0.83	69	+1	3.03	-0.17
OCT	61	+4	7.55	+5.58	57	0	4.98	+2.41	62	+5	3.68	-1.11
NOV	41	-4	5.39	+2.00	49	+4	2.18	-1.21				
DEC	43	+7	5.74	+1.76	36	0	2.27	-1.71				
Total			55.20	+10.65			45.92	+1.37			46.32	+9.14

¹ DEP is departure from the long-term average.

² 2021 data is for ten months through October.

Table 3. Descriptive scheme for the stages of development in perennial forage grasses.

Code	Description	Remarks
Leaf development		
11	First leaf unfolded	Applicable to regrowth of established (plants) and to primary growth of seedlings.
12	2 leaves unfolded	Further subdivision by means of leaf development index (see text).
13	3 leaves unfolded	
•	•••••	
19	9 or more leaves unfolded	
Sheath elongation		
20	No elongated sheath	Denotes first phase of new spring growth after overwintering. This character is used instead of tillering which is difficult to record in established stands.
21	1 elongated sheath	
22	2 elongated sheaths	
23	3 elongated sheaths	
•	•••••	
29	9 or more elongated sheaths	
Tillering (alternative to sheath elongation)		
21	Main shoot only	Applicable to primary growth of seedlings or to single tiller transplants.
22	Main shoot and 1 tiller	
23	Main shoot and 2 tillers	
24	Main shoot and 3 tillers	
•	•••••	
29	Main shoot and 9 or more tillers	
Stem elongation		
31	First node palpable	More precisely an accumulation of nodes. Fertile and sterile tillers distinguishable.
32	Second node palpable	
33	Third node palpable	
34	Fourth node palpable	
35	Fifth node palpable	
37	Flag leaf just visible	
39	Flag leaf ligule/collar just visible	
Booting		
45	Boot swollen	
Inflorescence emergence		
50	Upper 1 to 2 cm of inflorescence visible	
52	¼ of inflorescence emerged	
54	½ of inflorescence emerged	
56	¾ of inflorescence emerged	
58	Base of inflorescence just visible	
Anthesis		
60	Preanthesis	Inflorescence-bearing internode is visible. No anthers are visible.
62	Beginning of anthesis	First anthers appear.
64	Maximum anthesis	Maximum pollen shedding.
66	End of anthesis	No more pollen shedding.
Seed ripening		
75	Endosperm milky	Inflorescence green
85	Endosperm soft doughy	No seeds loosening when inflorescence is hit on palm.
87	Endosperm hard doughy	Inflorescence losing chlorophyll; a few seeds loosening when inflorescence hit on palm
91	Endosperm hard	Inflorescence-bearing internode losing chlorophyll; seeds loosening in quantity when inflorescence hit on palm.
93	Endosperm hard and dry	Final stage of seed development; most seeds shed.

Source: J. Allan Smith and Virgil W. Hayes. 14th International Grasslands Conference Proc. p. 416-418. June 14-24, 1981, Lexington, Kentucky.

Results and Discussion

Weather data for Lexington is presented in Table 2.

Ratings for maturity (see Table 3 for maturity scale), stand persistence, and dry matter yields (tons per acre) are reported in tables 4 through 6. Yields are given by cutting date for 2021 and as total annual production. Stated yields are adjusted for percent weeds; therefore, tonnage given is for crop only. Varieties are listed by descending total yield. Experimental varieties, listed separately at the bottom of the tables, are not available commercially.

Statistical analyses were performed on all data (including experimentals) to determine if the apparent differences are truly due to varietal differences or just to chance. In the tables, the varieties not significantly different from the top variety in the total yield column are marked with one asterisk (*). To determine if two varieties are truly different, compare the difference between them to the least significant difference (LSD) at the bottom of the column. If the difference is equal to or greater than the LSD, the varieties are truly different when grown under the conditions at the given locations. The coefficient of variation (CV), which is a measure of the variability of the data, is included for each column of means. Low variability is desirable, and increased variability within a study results in higher CVs and larger LSDs.

Table 7 shows information about proprietors/distributors for all varieties included in the tests discussed in this report. Varieties are listed in alphabetical order, with the experimental varieties at the bottom. Experimental varieties are not available for farm use; commercial varieties can be purchased from dealerships. It is best to choose a variety that has performed well over several years and locations. It is important to consider the distribution of yield across the growing season when evaluating productivity of orchardgrass varieties (tables 4 through 6).

How to Interpret the Summary Table

Table 8 is a summary of yield data from 2005 to 2021 of commercial varieties that have been entered in the Kentucky trials. The data is listed as a percentage of the mean of the commercial varieties entered in each specific trial. In other words, the mean value for each trial is set at 100 percent—varieties with percentages over 100 yielded better than average, and varieties with percentages less than 100 yielded lower than average. Direct statistical comparisons of varieties cannot be made using the summary Table 8, but these comparisons can help to identify varieties for further consideration. Varieties that have performed better than average over many years and at several locations have stable performance; others may have performed well in wet years or on particular soil types. These details may influence variety choice, and more information can be found in the yearly reports. See the footnote in Table 8 to determine the yearly report that should be referenced.

Summary

Selecting a good orchardgrass variety is an important first step in establishing a productive stand of grass. Proper management, beginning with seedbed preparation and continuing throughout the life of the stand, is necessary for even the highest-yielding variety to produce to its genetic potential.

The following is a list of University of Kentucky Cooperative Extension publications related to orchardgrass management. They are available from your county Extension office and are listed in the "Publications" section of the UK Forage website (<https://forages.ca.uky.edu>):

- Lime and Fertilizer Recommendations (AGR-1)
- Grain and Forage Crop Guide for Kentucky (AGR-18)
- Renovating Hay and Pasture Fields (AGR-26)
- Orchardgrass (AGR-58)
- Establishing Forage Crops (AGR-64)
- Forage Identification and Use Guide (AGR-175)
- Rotational Grazing (ID-143)
- Rating Scale for Brown Stripe of Orchardgrass (PPFS-AG-F-07)

About the Authors

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Table 4. Dry matter yields, seedling vigor, maturity, and stand persistence of orchardgrass varieties sown September 4, 2018, at Lexington, Kentucky.

Variety	Seedling Vigor ¹ Sep 28, 2018	Maturity ²					Percent Stand								Yield (tons/acre)						3-year Total				
		2019		2020		2021	2019		2020		2021		2019		2020		2021		2021			Total			
		May 13	May 11	May 11	May 11	May 11	Oct 18	Mar 17	Oct 27	Mar 24	Oct 22	Oct 27	Mar 24	Oct 22	Oct 22	Mar 24	Oct 27	Mar 24	Oct 22	Jun 11			Aug 26	Oct 18	
Commercial Varieties-Available for Farm Use																									
SS07080GDT	5.0	58.0	55.5	54.0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1.13	1.08	1.08	0.68	3.62	9.30*
Albert	5.0	55.5	51.5	48.5	100	100	100	100	100	99	99	99	99	99	99	99	99	99	99	0.96	0.83	0.63	0.56	3.97	9.07*
Prairie	4.8	56.5	55.5	53.5	100	100	100	100	100	100	100	100	100	99	100	100	100	100	100	1.07	0.63	1.04	0.63	3.37	8.99*
Persist	3.6	58.0	56.0	56.0	100	100	100	100	100	100	100	100	100	99	100	100	100	100	100	1.08	0.62	1.04	0.68	3.42	8.79*
Intensiv	3.8	46.8	53.0	53.0	100	100	100	100	96	95	94	94	83	83	2.20	3.01	1.02	0.79	0.86	1.02	0.79	0.86	0.58	3.25	8.45*
Potomac	4.8	57.0	52.5	55.0	100	100	100	100	100	100	100	99	100	100	2.52	2.96	1.08	0.46	0.83	1.08	0.46	0.83	0.55	2.92	8.40*
Tucker	4.9	53.3	53.5	55.0	100	100	100	99	98	98	98	98	97	87	2.05	2.93	1.01	0.76	0.84	1.01	0.76	0.84	0.54	3.16	8.14*
Barlegro	3.5	52.5	52.5	50.8	100	100	100	94	94	94	92	92	87	87	2.23	3.01	0.74	0.69	0.91	0.74	0.69	0.54	2.89	8.12*	
Swante	3.1	52.3	52.0	55.0	100	98	89	89	87	87	87	87	58	58	2.02	2.57	1.02	0.65	0.83	1.02	0.65	0.83	0.44	2.94	7.53
Experimental Varieties																									
OG88	5.0	54.0	52.5	53.0	100	100	100	100	99	98	99	99	98	98	2.76	3.12	0.91	0.67	1.02	0.91	0.67	1.02	0.83	3.43	9.31*
DGLF48	3.9	56.0	53.5	55.5	100	100	100	100	100	100	100	100	99	96	2.26	2.94	1.63	0.63	0.73	1.63	0.63	0.73	0.64	3.64	8.85*
RADLCF54	4.4	46.3	50.3	46.5	100	100	100	98	97	97	97	97	92	92	2.41	3.02	0.88	0.75	0.88	0.88	0.75	0.75	0.64	3.02	8.45*
18-Dgl.F92	3.6	50.8	51.8	54.5	100	100	100	94	89	88	88	88	83	83	2.01	2.64	1.34	0.72	0.81	1.34	0.72	0.81	0.60	3.48	8.13*
18-Dgl.F93	3.6	54.5	53.0	53.5	100	100	93	90	91	93	90	91	88	88	1.99	2.98	0.74	0.74	0.74	0.74	0.74	0.88	0.59	2.94	7.91
Mean	4.2	53.7	53.1	53.1	100	100	97	96	96	96	96	96	91	91	2.33	2.98	1.04	0.69	0.87	1.04	0.69	0.87	0.61	3.22	8.53
CV,%	7.4	6.1	4.1	6.6	0	0	3	4	4	4	4	4	11	11	12.13	12.93	27.30	21.89	30.85	27.30	21.89	30.85	20.59	16.27	10.09
LSD,0.05	0.4	4.6	3.1	5.0	0	0	4	5	5	5	5	5	14	14	0.40	0.55	0.41	0.22	0.39	0.41	0.22	0.39	0.18	0.75	1.23

¹ Vigor score based on a scale of 1 to 5 with 5 being the most vigorous seedling growth.

² Maturity rating scale: 37 = flag leaf emergence, 45 = boot swollen, 50 = beginning of inflorescence emergence, 58 = complete emergence of inflorescence, 62 = beginning of pollen shed. See Table 3 for complete scale.

*Not significantly different from the highest numerical value in the column, based on the 0.05 LSD.

Table 5. Dry matter yields, seedling vigor, maturity, and stand persistence of orchardgrass varieties sown August 30, 2019, at Lexington, Kentucky.

Variety	Seedling Vigor ¹ Oct 23, 2019	Maturity ²		Percent Stand					Yield (tons/acre)					2-year Total	
		2020	2021	2019	2020		2021		2020	2021					
		May 7	May 11	Oct 23	Mar 17	Oct 27	Mar 24	Oct 22	Total	May 11	Jun 16	Aug 26	Oct 19		Total
Commercial Varieties-Available for Farm Use															
Quickdraw	4.4	53.5	57.5	100	100	100	100	100	3.74	2.26	1.02	0.97	0.96	5.21	8.95*
Blizzard	4.8	49.8	55.5	100	100	100	100	100	3.81	1.79	0.86	0.78	0.83	4.26	8.06*
Persist	3.5	52.0	57.0	100	99	100	100	100	3.45	2.06	0.81	0.93	0.80	4.61	8.06*
SS0708OGDT	4.8	53.0	56.0	100	100	100	100	100	3.46	1.76	1.00	0.92	0.71	4.40	7.86*
Echelon	3.3	40.5	46.8	100	97	97	98	98	3.59	1.58	0.97	0.82	0.84	4.20	7.79*
Albert	4.0	46.3	52.5	100	100	100	100	100	3.45	1.42	0.98	0.96	0.91	4.26	7.71*
Tekapo	3.9	47.8	55.5	100	100	100	100	100	3.28	1.89	0.74	0.89	0.82	4.35	7.63*
Prairie	3.6	53.0	56.0	100	100	100	100	100	3.36	1.78	0.80	0.84	0.83	4.24	7.59*
Profit	4.3	42.0	52.8	100	100	100	100	100	3.04	2.02	0.80	0.84	0.77	4.43	7.48*
Prodigy	4.5	53.0	55.5	100	99	99	100	99	3.27	1.72	0.65	0.83	0.76	3.95	7.21*
BARDGLHLR	2.6	39.0	32.0	100	98	99	99	98	2.82	1.39	0.76	0.67	0.67	3.48	6.30
Experimental Varieties															
SEOGP2	3.6	49.5	57.0	100	100	100	100	100	3.92	2.10	0.74	0.88	1.01	4.73	8.65*
O2019	3.4	46.0	52.8	100	99	100	100	100	3.28	1.94	0.97	0.85	0.90	4.66	7.94*
Mean	3.9	48.1	53.8	100	99	99	100	99	3.42	1.82	0.85	0.86	0.83	4.37	7.79
CV,%	15.2	7.1	4.9	0	2	1	1	1	17.20	18.19	32.02	20.39	19.30	17.57	16.07
LSD,0.05	0.8	1.9	3.7	0	2	2	2	2	0.84	0.48	0.39	0.33	0.23	1.10	1.79

¹ Vigor score based on a scale of 1 to 5 with 5 being the most vigorous seedling growth.

² Maturity rating scale: 37 = flag leaf emergence, 45 = boot swollen, 50 = beginning of inflorescence emergence, 58 = complete emergence of inflorescence, 62 = beginning of pollen shed. See Table 3 for complete scale.

*Not significantly different from the highest numerical value in the column, based on the 0.05 LSD.

Table 6. Dry matter yields, seedling vigor, maturity, and stand persistence of orchardgrass varieties sown August 28, 2020, at Lexington, Kentucky.

Variety	Seedling Vigor ¹ Sep 24, 2020	Maturity ² May 7	Percent Stand			Yield (tons/acre)				
			2020	2021		2021				
			Sep 24	Mar 24	Oct 22	May 7	Jun 16	Aug 26	Oct 20	Total
Commercial Varieties-Available for Farm Use										
Bighorn	4.0	46.3	100	100	100	2.56	1.67	1.34	1.01	6.59*
Harvestar	2.9	48.0	100	100	100	2.32	1.47	1.20	0.89	5.89*
Prairie	3.4	53.5	100	100	100	2.21	1.29	1.13	0.87	5.50*
Prodigy	3.8	53.0	100	100	100	2.08	1.47	0.95	0.88	5.38*
Tucker	3.5	51.0	100	100	100	2.03	1.35	1.02	0.79	5.19
Alpine II	3.1	45.0	100	100	100	1.90	1.42	1.08	0.75	5.16
Olathe	3.9	46.3	100	100	100	1.90	1.29	1.13	0.82	5.14
Profit	3.4	46.8	100	100	100	1.94	1.23	0.99	0.83	4.99
SS0708OGDT	3.4	52.0	100	100	100	2.07	1.24	0.84	0.81	4.97
Intensiv	3.1	45.0	100	100	100	1.88	1.37	0.85	0.72	4.83
Persist	3.3	53.5	100	100	100	1.90	1.22	0.82	0.79	4.73
Captur	3.1	45.0	100	100	100	1.75	1.30	0.96	0.70	4.70
HLR	3.0	45.0	100	100	100	1.71	1.31	0.84	0.73	4.59
Devour	3.4	45.0	100	100	100	1.71	1.11	0.78	0.71	4.31
Swante	2.9	46.3	100	100	100	1.53	1.09	0.85	0.57	4.03
Experimental Varieties										
OG97	3.8	50.8	100	100	100	2.21	1.53	1.29	0.96	6.00*
SEOGP2	3.5	52.5	100	100	100	2.23	1.34	1.08	0.94	5.59*
BARDGLF95	2.4	45.0	100	100	100	1.82	1.35	0.86	0.84	4.86
OG96	3.3	46.3	98	100	100	1.92	1.38	0.83	0.71	4.83
BARDGLF94	3.5	48.0	100	100	100	1.97	1.22	0.96	0.48	4.63
Mean	3.3	48.2	100	100	100	1.98	1.33	0.99	0.79	5.10
CV,%	19.6	4.4	1	0	0	19.11	17.47	26.98	25.37	17.09
LSD,0.05	0.9	3.0	1	0	0	0.54	0.33	0.38	0.28	1.23

¹ Vigor score based on a scale of 1 to 5 with 5 being the most vigorous seedling growth.

² Maturity rating scale: 37 = flag leaf emergence, 45 = boot swollen, 50 = beginning of inflorescence emergence, 58 = complete emergence of inflorescence, 62 = beginning of pollen shed. See Table 3 for complete scale.

*Not significantly different from the highest numerical value in the column, based on the 0.05 LSD.

Table 8. Summary of Kentucky orchardgrass yield trials 2005-2021 (yield shown as a percentage of the mean of the commercial varieties in the trial).

Variety	Proprietor	Lexington										Princeton										Quicksand					Mean ³ (#trials)
		2006 ^{1,2}		2007	2009	2011	2012	2013	2014	2015	2016	2017	2018	2019	2006	2008	2010	2012	2015	2005	2010	2013	2016	2018			
		4-yr ⁴	3-yr	3-yr	3-yr	3-yr	3-yr	3-yr	3-yr	3-yr	3-yr	3-yr	3-yr	2-yr	3-yr	3-yr	3-yr	3-yr	4-yr	3-yr	3-yr	3-yr	2-yr	2-yr			
Albert	Oregro Seeds											106	100									98		101(4)			
Aldebaran	DLF Pickseed										99																
Alpine II	Mountain View Seeds										106																
Ambrosia	American Grass Seed Prod.													90													
BARDGLHR	Barenbrug USA												82														
Barlegro	Barenbrug USA											95											94	95(2)			
Benchmark Plus	Southern States	100	108	105	106	106	104	104						107	104	102	107		102	94	102			103(14)			
Berta	Mountain View Seeds										76																
Blizzard	Allied Seed												105														
Bounty	Allied Seed	101																98						100(2)			
Century	Seed Research of Oregon	98																104						101(2)			
Checkmate	Seed Research of Oregon		102			117											106							108(3)			
Christoss	Proseeds Marketing		92																								
Crown	Donley Seed			97											105									101(2)			
Devour	Mountain View Seeds										98																
Echelon	DLF Pickseed										99										113						
Elise	Rose-AgriSeed					86									98									104(3)			
Endurance	DLF Pickseed										102													96(3)			
Extend	Allied Seed				107										105						82			107(3)			
Harvestar	Columbia Seeds	91	97			94																		98(6)			
Haymaster	Southern States	94			102																			98(3)			
Icon	Seed Research of Oregon	105																						102(2)			
Inavale	DLF Pickseed										99	94										106		99(4)			
Intensiv	Barenbrug USA												99											96(2)			
Lazuly	Proseeds Marketing														97												
Lyra	Hood River Seed										90													88(3)			
Megabite	Turf-Seed																										
Olathe	DLF Pickseed										111	104										89		104(4)			
Paiute	DLF Pickseed																										
Persist	Smith Seed	105	106	107	112	106	100	103	111	98	111	103	105														
Potomac	Public		103	96	97	103	116	100	94	104	98													106(20)			
Prairie	Turner Seed	107	101	109	106	113	123	108	103	111	111	105	99	100	104	99	104	96	107	120	102	105	107	106(22)			
Prodigy	Caudill Seed			101		99	97			97			94		103	101								98(8)			
Profit	Ampac Seed		107	96	98	103	96	97	89						103	102	102	96			115	96		100(14)			
Quickdraw	Grassland Oregon												106														
RAD-LCF 25	Radix Research																										
Rushmore II	Mountain View seeds									98	111									102				101(2)			
Shawnee	Rose-AgriSeed														86									104(3)			
SS07080GDT	Southern States								91	105	101	111	109	102				100									
Swante	Smith Seed											88												102(9)			
Tekena II	Smith Seed	102																						84(2)			
Tekapo	Ampac Seed	91	81	82	78	82	76	80																79			
Treposno	Hood River Seed								92			99												103(2)			
Tucker	Oregro Seeds				96							95												86(15)			
Udder	Improved Forages																							97(3)			
Vaillant	Proseeds Marketing	107																	99					100			
																								96(7)			
																								103(2)			

1 Year trial was established.
 2 Use this summary table as a guide in making variety decisions, but refer to specific yearly reports to determine statistical differences in forage yield between varieties. To find actual yields, look in the yearly report for the final year of each specific trial. For example, the Lexington trial planted in 2012 was harvested three years, so the final report would be "2015 Orchardgrass Report" archived in the UK Forage website (<https://forages.ca.uky.edu>).
 3 Mean only presented when respective variety was included in two or more trials.
 4 Number of years of data.

Table 7. Proprietors of orchardgrass varieties in current trials in Kentucky.

Variety	Proprietor/KY Distributor
Commercial Varieties-Available for Farm Use	
Albert	Oregro Seeds
Alpine II	Mountain View Seeds
BARDGLHLR	Barenbrug USA
Barlegro	Barenbrug USA
Bighorn	Mountain View Seeds
Blizzard	Allied Seed, LLC
Captur	DLF Pickseed
Devour	Mountain View Seeds
Echelon	DLF Pickseed
Harvestar	Columbia Seeds
HLR	Barenbrug USA
Intensiv	Barenbrug USA
Olaathe	DLF Pickseed
Persist	Smith Seed Services
Potomac	Public
Prairie	Turner Seed Company
Prodigy	Caudill Seed
Profit	Ampac Seed
Quick Draw	Grassland Oregon
SS-0708OGDT	Southern States
Swante	Smith Seed Services
Tekapo	Ampac Seed
Tucker	Oregro Seeds
Experimental Varieties¹	
BARDGLF94	Barenbrug USA
BARDGLF95	Barenbrug USA
DGLF48	Barenbrug USA
O2019	Ampac Seed
OG88	DLF Pickseed
OG96	DLF Pickseed
OG97	DLF Pickseed
RADLCF54	Radix Research
SEOGP2	Smith Seed Services
SOG-1614	Smith Seed Services
18-DgLF92	Barenbrug USA
18-DgLF93	Barenbrug USA

¹ Experimental varieties are not available commercially, but provide an indication of the progress being made by forage breeding companies.



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