



Radiance HD is a dark green, **HIGH DIGESTIBILITY (HD)** alfalfa variety that was bred for high yield, outstanding forage quality, and fast regrowth. Radiance HD delivers faster recovery after harvest than nearly all conventional alfalfa varieties and provides added yield for the cash hay producer or dairy farmer. Radiance HD was bred from alfalfa plants with extremely high yield, disease resistances, and forage digestibility. This makes Radiance HD one of the highest yielding, persistent, and high forage quality alfalfas available. Radiance HD responds best with improved alfalfa management.

- Very High Yield**
- High Digestibility**
- Fast Recovery**
- Large Crown Size**
- Very High Persistence**
- Performs Well In Wet Soils**

Disease Ratings:

Aphanomyces Race I.....	HR
Bacterial Wilt.....	HR
Verticillium Wilt.....	R
Fusarium Wilt.....	HR
Phytophthora Root Rot...	HR
Anthraco... ..	HR

Seeding Rates:

- Drilled at: 20 lbs. /acre
- Broadcast: 20-22 lbs./acre
- With Companion : 15lbs/acre

Dry Matter Production
 Evansville, WI. 2009
 Seeded April 20th, 2007

Entry	May 29th	July 6th	Total
Highest	2.31	1.72	4.03
Radiance HD	2.29	1.67	3.96
Genoa	2.28	1.67	3.95
WL 357HQ	2.24	1.66	3.90
L 447HD	2.22	1.64	3.86
Magnum V	2.17	1.47	3.64
54V54	2.09	1.45	3.55
LSD (0.05)			0.24

Radiance HD Agronomic Traits

DRI	29/30
FD	4
WH	2

Radiance HD Head -2-Head Comparisons

Competitor	Radiance HD Yield as % of competitor	Number of Tests	Number of Cuts
54V54	114	1	2
Genoa	106	3	6
L333HD	104	2	4
L 447HD	107	3	6
Magnum V	112	2	4
Rebound 5.0	110	2	4
Summergold	109	1	2
WL 357HQ	107	1	2

Technical data herein is solely a compilation of observations from various geographical areas, conditions, and laboratory tests. Growing results, including varietal characteristics and performance, vary depending on region, climate, soil, seed enhancements, environmental conditions, local management practices and other factors. AMPAC Seed DOES NOT GUARANTEE growing success. Any technical advice by AMPAC Seed concerning the use of its seeds is given without charge. Therefore, AMPAC Seed disclaims any warranty and disclaims all liability for such advice.

Alfalfa Variety Trial
Ohio, North Baltimore, Sown 4-27-2009

Variety	7-Jul	21-Aug	Total 2009	Relative Yield
	----- Tons Dry Matter/Acre -----			
<u>Released Cultivars:</u>		-		% mean
Radiance HD	1.11	1.93	3.04	109
4S417	1.31	1.67	2.98	107
Everlast II	1.39	1.58	2.97	106
A 4330	1.29	1.57	2.86	102
WL 363 HQ	1.29	1.56	2.85	102
55V12	1.33	1.51	2.85	102
54Q32	1.35	1.48	2.83	101
55V48	1.27	1.55	2.82	101
AmeriStand 407TQ	1.22	1.55	2.77	99
KingFisher 243	1.12	1.60	2.72	97
Vernal	1.12	1.55	2.67	96
AmeriStand 403T	1.28	1.38	2.66	95
FSG 329	1.09	1.55	2.64	95
WL 343 HQ	1.14	1.50	2.64	95
FSG 420 LH	1.28	1.32	2.59	93
64Q22	1.04	1.49	2.52	90
<u>Experimental Strains:</u>				
A 4535*	1.37	1.61	2.98	107
LS 604*	1.26	1.62	2.89	103
Mean	1.24	1.56	2.79	--
LSD 0.05	0.26	0.20	0.39	--
Prob > F	0.15	<.001	0.24	--
CV %	14.84	9.21	9.73	--
MCV	21.1	13.1	13.8	--
LSR	72.7	33.3	74.8	--

* Variety tested using experimental seed that may not give performance identical to that of commercially available seed.

NOTE: Stand was 95% for all varieties

Data subjected to Nearest Neighbor AOV, adjusted means reported.

Establishment: Seeded with a Hege 3-point hitch drill with presswheels at 16 lb/a.
4' x 20' , 15'alleys and borders, RCBD with four
reps.

Plot size:

Soil type / analysis: Holtville silt loam, pH=6.5, P=84 lbs/a, K=358lbs/a, CEC=15.8, O.M.=3.1, (10/07).
1 ton of lime in July 2008 and 300# of 0-0-60 was applied in October
2009.

2009 Fertilization: Insecticide was applied on 25-June, 8-July, 21-August for potato leafhopper
control.

2009 Pest control: Herbicide was applied on 6-25-09 for weed
control.