

# LIMA BEAN HERBICIDE EVALUATION - ARLINGTON - 2012

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Location: Arlington Ag Research Station - Horticulture Farm Field 617

**Plot Information:**

Soil Type: Plano Silt Loam; pH 6.8; OM 3.6%.

Variety: 'Imperial Kingston'

Date Planted: 6/5/12

Row Spacing: 30 Inches

Plant Spacing: 2.0 inches

Date Harvested: 9/21/12

Plot Size-Design: 10' x 20', 4 Reps

Rating Dates: 6/19, 6/26

Application Equipment: Tractor mounted air pressure sprayer.GPA 20, PSI 27, MPH 3.3,  
Nozzle - XR8003VS, Nozzle spacing 18", Height 18".

Incorporation Equipment: N/A

**Herbicide Application Data:**

PRE = Preemergence

Date	6/6/12		
Time	8:00 am		
Treatment	PRE		
Soil Moisture			
SF	dry		
1"	dry		
3"	moist		
Soil Temp (F°)			
SF	74.7		
3"	63.8		
Air Temp (F°)	66.6		
Wind	0.8 E		
%RH	55.5%		
Sky Condition	0% clouds		
Crop Stage	-----		
Weed & Size	-----		
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Fertilization and other pesticides: Fall 2011 - dairy replacement pack manure, 160 lb N/A.

Irrigation: 7/6 - 0.75"

Weed Abbreviations:

COLQ = Common Lambsquarters

RRPW = Redroot Pigweed

Plot Weed Density:

moderate

high

Weed Abbreviations:

YEFT = Yellow Foxtail

Plot Weed Density:

moderate

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Trt No.	Treatment Name	Rate	Unit	Grow Stg	% Injury 6/19/12	% Injury 6/26/12
1	DUAL MAGNUM	1	PT/A	PRE	0 c	0 c
	SANDEA	0.75	OZ/A	PRE		
2	DUAL MAGNUM	1	PT/A	PRE	0 c	0 c
	SPARTAN	4	OZ/A	PRE		
3	CAPAROL	0.75	LB A/A	PRE	0 c	0 c
4	CHATEAU	2	OZ/A	PRE	2.5 b	8.75 b
5	DUAL MAGNUM	1	PT/A	PRE	11.25 a	31.25 a
	COBRA	16	OZ/A	PRE		
6	MATRIX	1	OZ/A	PRE	0 c	0 c
7	NAI 1333	2.5	OZ/A	PRE	0 c	2.5 c
LSD (P=.05)					2.24	5.40

Means followed by same letter do not significantly differ (P=.05, LSD)

Trt No.	Treatment Name	Rate	Unit	Grow Stg	% Weed Control 6/26/12			Yield 9/21/12
					COLQ	RRPW	YEFT	lbs/A
1	DUAL MAGNUM	1	PT/A	PRE	55 bc	57.5 bc	61.25 a	323.775 e
	SANDEA	0.75	OZ/A	PRE				
2	DUAL MAGNUM	1	PT/A	PRE	75 ab	22.5 d	55 a	163.375 e
	SPARTAN	4	OZ/A	PRE				
3	CAPAROL	0.75	LB A/A	PRE	87.5 a	32.5 cd	66.25 a	2569.425 c
4	CHATEAU	2	OZ/A	PRE	83.75 a	80 ab	76.25 a	4890.875 a
5	DUAL MAGNUM	1	PT/A	PRE	75 ab	100 a	77.5 a	3282.525 b
	COBRA	16	OZ/A	PRE				
6	MATRIX	1	OZ/A	PRE	50 c	35 cd	73.75 a	308.25 e
7	NAI 1333	2.5	OZ/A	PRE	52.5 bc	35 cd	62.5 a	701.55 d
LSD (P=.05)					23.55	31.96	35.40	176.85

Means followed by same letter do not significantly differ (P=.05, LSD)

