Oregon State University OSU Klamath Basin Research and Extension Center

Volume:	11
Issue:	9
Date:	August 16 2019

Potato Bytes

Klamath Basin Research and Extension Center
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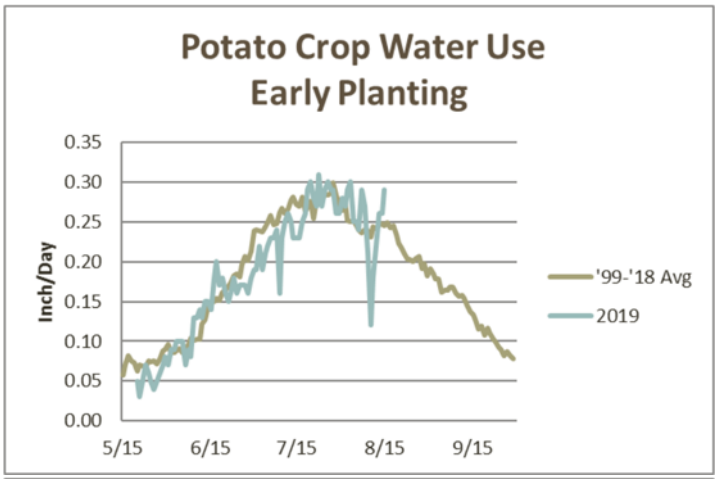

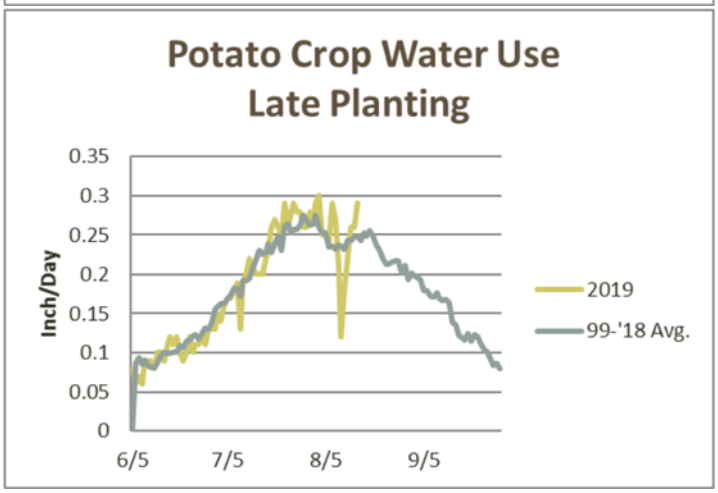

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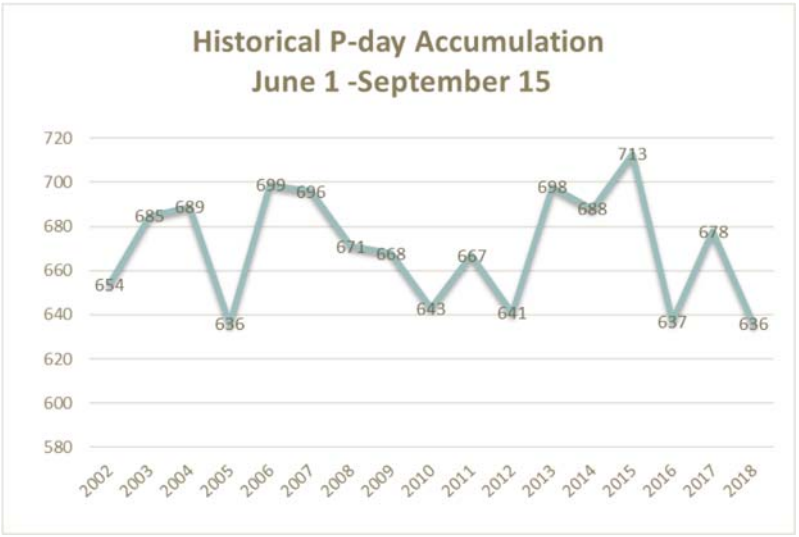

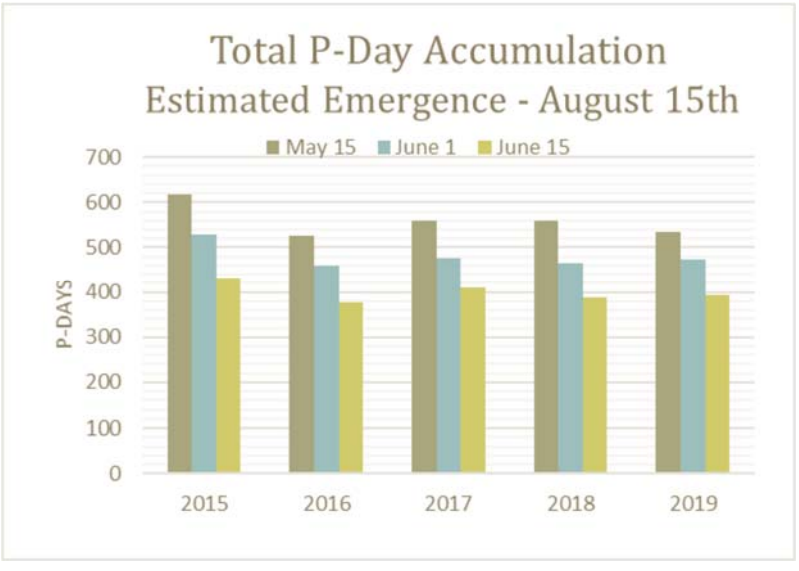

KBREC		
Actual Water Use:	**Inches**	
Planting Date:	**Early**	**Late**
Last 3 days:	0.81	0.81
Last 7 days:	1.54	1.54
Last 14 days:	3.43	3.43
Estimated Water Use:		
Next 7 days	1.68	1.68

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Soil Degree-Day Accumulation -- KBREC and IREC 2019

For Root-knot nematode control, nematicide applications should begin at 800 degree-days (DD_{5C}). To estimate that date, add the number of Total degree-days "Total" on the day you planted to 800. Where that value occurs in the "Total" column estimates the date on which 800 DD^{5C} will occur in that field. It is recommended that applications continue every 14 days until harvest.

For Stubby-root nematode control, nematicide applications should begin at 0 degree-days (at planting) and followed by an application at the first full irrigation following emergence. An additional application is recommended at 800 degree-days (DD_{5C}).

	KBREC DD_5		IREC DD_{5C}			KBREC DD_{5C}		IREC DD_{5C}			KBREC DD_{5C}		IREC DD_{5C}	
Date	Daily	Total	Daily	Total	Date	Daily	Total	Daily	Total	Date	Daily	Total	Daily	Total
4/15/19	3.0	3.0	2.4	2.4	5/11/19	12.4	228.2	12.7	226.8	6/6/19	11.8	466.3	7.93	425.7
4/16/19	3.0	6.0	2.8	5.2	5/12/19	13.3	241.5	13.9	240.7	6/7/19	7.9	474.2	3.58	429.3
4/17/19	4.3	10.3	6.6	11.7	5/13/19	12.8	254.3	10.5	251.1	6/8/19	7.4	481.6	4.96	434.3
4/18/19	5.6	15.9	10.8	22.5	5/14/19	9.3	263.6	7.8	258.9	6/9/19	9.4	491.0	10.1	444.4
4/19/19	6.8	22.7	10.4	32.9	5/15/19	7.4	271.0	5.1	264.0	6/10/19	11.9	502.9	13.7	458.1
4/20/19	6.9	29.5	4.1	37.0	5/16/19	6.6	277.6	3.7	267.7	6/11/19	13.8	516.7	16.7	474.7
4/21/19	6.1	35.6	4.7	41.8	5/17/19	6.4	284.1	4.8	272.5	6/12/19	14.1	530.8	16.1	490.8
4/22/19	6.8	42.4	8.0	49.8	5/18/19	7.0	291.1	2.6	275.1	6/13/19	14.3	545.2	15.6	506.5
4/23/19	7.7	50.1	11.0	60.7	5/19/19	6.0	297.1	3.5	278.6	6/14/19	14.8	560.0	14.2	520.7
4/24/19	9.0	59.1	11.7	72.4	5/20/19	6.6	303.7	4.6	283.3	6/15/19	15.0	575.0	14.9	535.5
4/25/19	9.2	68.3	12.0	84.4	5/21/19	5.4	309.1	1.3	284.6	6/16/19	13.9	588.9	15.8	551.4
4/26/19	7.4	75.7	9.5	93.9	5/22/19	4.7	313.8	3.0	287.6	6/17/19	13.8	602.7	15.6	566.9
4/27/19	8.2	84.0	7.5	101.4	5/23/19	6.6	320.4	6.5	294.1	6/18/19	14.7	617.4	14.8	581.7
4/28/19	7.9	91.8	4.6	106.0	5/24/19	8.0	328.5	7.9	302.0	6/19/19	14.3	631.7	12.3	594.0
4/29/19	9.7	101.5	5.4	111.4	5/25/19	7.2	335.6	4.0	306.0	6/20/19	11.3	643.0	8.04	602.0
4/30/19	11.0	112.5	4.1	115.5	5/26/19	6.0	341.7	1.6	307.6	6/21/19	9.9	652.9	5.07	607.1
5/1/19	10.3	122.8	4.3	119.8	5/27/19	6.6	348.3	5.7	313.3	6/22/19	11.4	664.2	12.5	619.6
5/2/19	8.6	131.4	5.8	125.7	5/28/19	7.2	355.5	7.4	320.7	6/23/19	11.7	675.9	14.0	633.6
5/3/19	9.4	140.8	8.5	134.2	5/29/19	8.6	364.1	9.2	330.0	6/24/19	11.5	687.4	14.4	648.0
5/4/19	8.9	149.8	10.7	144.9	5/30/19	10.7	374.7	9.6	339.5	6/25/19	10.2	697.6	14.1	662.2
5/5/19	8.6	158.4	11.6	156.5	5/31/19	11.6	386.3	10.6	350.1	6/26/19	9.2	706.7	12.8	674.9
5/6/19	9.8	168.2	11.7	168.1	6/1/19	12.0	398.3	12.1	362.1	6/27/19	8.6	715.3	11.4	686.4
5/7/19	10.5	178.7	11.6	179.7	6/2/19	12.6	411.0	13.5	375.7	6/28/19	9.3	724.6	11.8	698.2
5/8/19	11.7	190.4	11.1	190.8	6/3/19	14.1	425.1	14.4	390.1	6/29/19	9.8	734.5	12.8	711.0
5/9/19	13.6	204.0	12.3	203.0	6/4/19	14.8	439.9	14.0	404.1	6/30/19	10.1	744.6	14.1	725.1
5/10/19	11.9	215.9	11.1	214.1	6/5/19	14.7	454.5	13.7	417.8	7/1/19	10.1	754.7	14.9	740.0

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	KBREC DD_{5C}		IREC DD_{5C}			KBREC DD_{5C}		IREC DD_{5C}	
Date	**Daily**	**Total**	**Daily**	**Total**	**Date**	**Daily**	**Total**	**Daily**	**Total**
7/2/19	9.7	764.4	15.0	754.9	**7/28/19**	11.4	1079.0	13.9	1146.1
7/3/19	9.4	773.8	14.6	769.6	**7/29/19**	11.9	1090.9	14.2	1160.3
7/4/19	9.6	783.4	14.0	783.6	**7/30/19**	11.8	1102.67	14.3	1174.6
7/5/19	10.8	794.3	15.0	798.6	**7/31/19**	11.5	1114.1	13.8	1188.4
7/6/19	12.1	806.4	15.6	814.2	**8/1/19**	11.2	1125.4	13.4	1201.7
7/7/19	11.9	818.3	15.6	829.8	**8/2/19**	11.6	1137.0	13.5	1215.2
7/8/19	12.1	830.4	15.6	845.4	**8/3/19**	11.4	1148.4	13.0	1228.3
7/9/19	11.9	842.3	14.7	860.2	**8/4/19**	11.9	1160.3	13.6	1241.9
7/10/19	11.7	854.1	14.7	874.9	**8/5/19**	12.4	1172.7	13.6	1255.5
7/11/19	12.3	866.4	15.7	890.6	**8/6/19**	12.4	1185.2	13.4	1268.9
7/12/19	12.8	879.2	15.9	906.5	**8/7/19**	12.0	1197.2	12.7	1281.6
7/13/19	13.4	892.6	17.2	923.6	**8/8/19**	12.1	1209.3	12.6	1294.2
7/14/19	13.6	906.2	16.3	940.0	**8/9/19**	12.4	1221.6	12.6	1306.8
7/15/19	13.4	919.6	15.1	955.0	**8/10/19**	10.0	1231.6	10.9	1317.7
7/16/19	13.0	932.6	14.9	969.9	**8/11/19**	9.0	1240.6	9.7	1327.4
7/17/19	12.9	945.5	15.2	985.1	**8/12/19**	8.9	1249.6	10.2	1337.6
7/18/19	13.0	958.5	15.1	1000.3	**8/13/19**	9.1	1258.7	10.7	1348.3
7/19/19	13.5	972.0	15.6	1015.8	**8/14/19**	9.6	1268.2	11.2	1359.4
7/20/19	11.2	983.3	14.6	1030.5	**8/15/19**	10.0	1278.3	11.7	1371.2
7/21/19	11.5	994.8	14.8	1045.3	**8/16/19**	10.2	1288.4	11.6	1382.8
7/22/19	12.1	1006.9	15.0	1060.3	**8/17/19**				
7/23/19	12.2	1019.1	14.6	1074.9	**8/18/19**				
7/24/19	12.1	1031.3	14.3	1089.1	**8/19/19**				
7/25/19	11.9	1043.1	14.1	1103.3	**8/20/19**				
7/26/19	12.5	1055.6	14.6	1117.8	**8/21/19**				
7/27/19	12.0	1067.6	14.4	1132.2	**8/22/19**				

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Insect Trap Report
August 7 – August 13

Modoc and Siskiyou

TRAP	LOCATION	PTW	BLH	OLH	OP	PP
1	Haskins Rd	0	0	7	3	0
2	Sump 1-A & South Sump	0	1	26	6	0
3	Leases	0	0	6	0	0
4	Duck Shack in Leases	0	0	2	1	0
5	HWY 139	0	0	6	0	0
6	Copic Bay	0	2	11	0	0
7	Rd. 102	0	0	6	0	0
8	Golden East West Rd.	0	0	115	2	0
9	Akins Rd.	0	0	6	2	0

PTW: Potato Tuberworm
BLH: Beet Leafhoppers
OLH: Other Leafhoppers
OP: Other Psyllids
PP: Potato Psyllids

Klamath County

1	Stateline Rd.	0	0	6	0	0
2	HWY 50	0	0	3	0	0
3	Rajnus Rd.	0	0	0	0	0
4	Casebeer Rd.	0	0	0	0	0
5	Crystal Springs Rd.	0	0	3	0	0
6	Lombardi Rd.	0	0	2	0	0
7	Merrill Pit Rd.	0	0	1	1	0
8	Township Rd.	0	0	1	11	0
9	HWY 140	0	0	5	1	0

Aphid Traps

		GPA	PA	OA	OP	PP
1	Kern Swamp		0	0	0	0
2	Keno Worden	0	0	0	0	0
3	Morelock Rd. Malin	0	0	1	0	0
4	Shadow Hill	0	1	1	0	0
5	Bedfield Rd.	0	0	0	0	0
6	Lost River Ranch	0	0	1	0	0
7	Teare Ln.	0	0	0	0	0
8	Bly Mountain	0	0	0	0	0
9	Yonna Drive	0	0	5	0	0
10	Mitchell Rd.	0	0	8	0	0
11	Caldonia	0	0	0	0	0

PA: Potato Aphid
GPA: Green Peach Aphid
OA: Other Aphids
PP: Potato Psyllids