

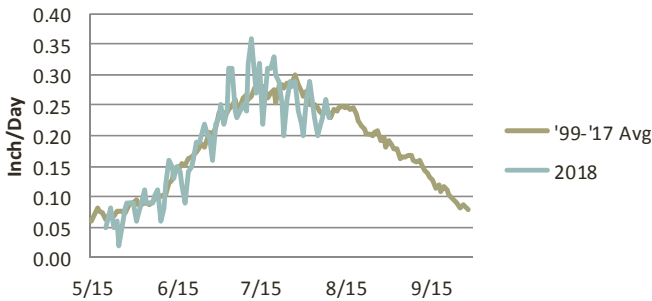
Potato Bytes

Klamath Basin Research and Extension Center
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<http://oregonstate.edu/dept/kbrec>

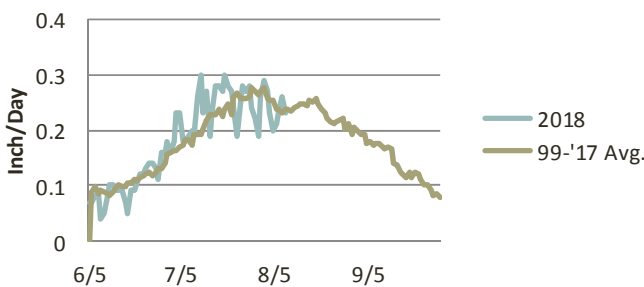


Brian A. Charlton, Research and Extension Agent -541-591-1255
Nichole Baley, Faculty Research Assistant

**Potato Crop Water Use
Early Planting**



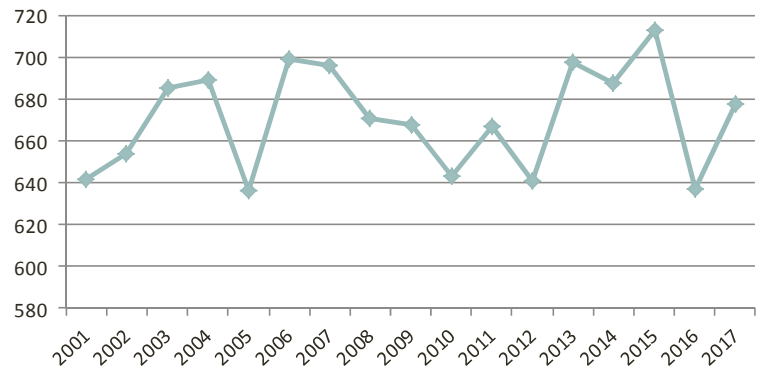
**Potato Crop Water Use
Late Planting**



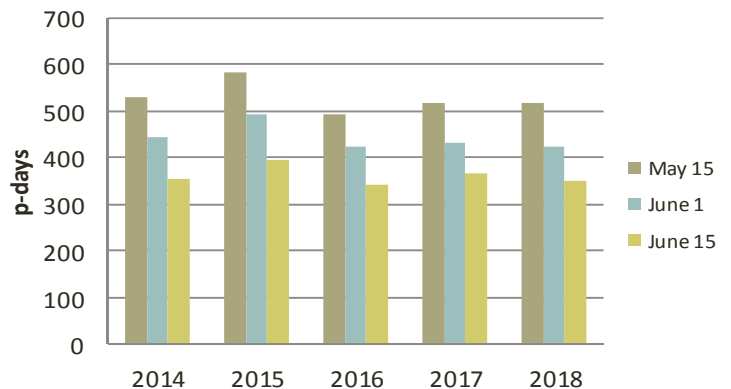
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**Historical P-day Accumulation
June 1 -September 15**



**Total P-Day Accumulation
Estimated Emergence - August 9th**



KBREC

Actual Water Use:	Inches	
	Early	Late
Planting Date:		
Last 3 days:	0.72	0.72
Last 7 days:	1.63	1.63
Last 14 days:	3.41	3.41
Estimated Water Use:		
Next 7 days	1.61	1.61

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Soil Degree-Day Accumulation -- KBREC and IREC 2018

For Root-knot nematode control, nematicide applications should begin at 800 degree-days (DD_{5C}). To estimate that date, subtract 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}).

Date	KBREC DD ₅		IREC DD _{5C}		KBREC DD _{5C}		IREC DD _{5C}		Date	KBREC DD _{5C}		IREC DD _{5C}		
	Daily	Total	Daily	Total	Daily	Total	Daily	Total		Daily	Total	Daily	Total	
4/15/18	3.9	3.9	3.6	3.6	5/11/18	8.93	180.8	8.6	151.8	6/6/18	12.3	488.0	12.4	421.2
4/16/18	2.5	6.4	2.8	6.3	5/12/18	8.74	189.6	7.9	159.8	6/7/18	14.5	502.5	12.7	433.9
4/17/18	2.3	8.6	2.4	8.8	5/13/18	15.6	205.1	8.0	167.8	6/8/18	15.0	517.5	12.5	446.5
4/18/18	2.8	11.4	2.8	11.6	5/14/18	11.0	216.2	8.7	176.5	6/9/18	10.0	527.5	11.7	458.2
4/19/18	2.6	14.1	2.6	14.2	5/15/18	11.3	227.5	8.9	185.3	6/10/18	10.0	537.5	10.5	468.7
4/20/18	3.6	17.6	2.9	17.1	5/16/18	10.5	238.0	9.0	194.4	6/11/18	12.6	550.2	11.3	479.9
4/21/18	5.4	23.0	4.0	21.1	5/17/18	10.0	248.0	9.4	203.7	6/12/18	16.7	566.9	12.2	492.1
4/22/18	5.8	28.8	4.5	25.6	5/18/18	10.7	258.6	9.7	213.5	6/13/18	19.4	586.3	13.5	505.6
4/23/18	6.0	34.8	4.8	30.4	5/19/18	11.1	269.7	10.0	223.4	6/14/18	17.7	604.0	13.4	519.1
4/24/18	6.6	41.4	5.0	35.3	5/20/18	11.4	281.1	10.2	233.6	6/15/18	15.0	619.0	14.1	533.2
4/25/18	7.7	49.2	5.4	40.7	5/21/18	10.9	292.0	9.8	243.4	6/16/18	12.8	631.8	15.9	549.1
4/26/18	8.4	57.6	5.9	46.6	5/22/18	11.9	303.9	10.1	253.5	6/17/18	11.4	643.2	13.5	562.6
4/27/18	8.2	65.8	6.1	52.8	5/23/18	12.6	316.5	10.8	264.4	6/18/18	11.6	654.8	12.8	575.4
4/28/18	6.5	72.3	5.5	58.2	5/24/18	12.3	328.8	10.6	275.0	6/19/18	14.2	669.0	15.7	591.1
4/29/18	5.7	77.9	5.0	63.2	5/25/18	12.1	340.9	10.5	285.4	6/20/18	16.5	685.5	17.2	608.3
4/30/18	5.4	83.3	5.0	68.2	5/26/18	10.9	351.8	9.6	295.0	6/21/18	15.2	700.7	18.2	626.5
5/1/18	5.6	88.9	5.0	73.2	5/27/18	11.1	362.9	9.9	304.9	6/22/18	14.1	714.8	18.4	644.9
5/2/18	6.6	95.5	5.4	78.6	5/28/18	12.5	375.3	10.6	315.5	6/23/18	13.4	728.2	18.5	663.4
5/3/18	8.0	103.5	6.1	84.7	5/29/18	13.0	388.3	11.4	326.9	6/24/18	14.7	742.8	19.6	683.0
5/4/18	8.7	112.2	6.8	91.5	5/30/18	13.0	401.3	11.7	338.5	6/25/18	17.9	760.7	20.1	703.1
5/5/18	9.1	121.3	7.1	98.6	5/31/18	12.1	413.4	11.1	349.6	6/26/18	14.8	775.6	19.3	722.4
5/6/18	9.4	130.7	7.4	106.0	6/1/18	11.5	424.9	10.5	360.1	6/27/18	14.8	790.4	18.2	740.6
5/7/18	10.2	140.9	8.0	114.1	6/2/18	12.3	437.2	11.5	371.6	6/28/18	13.3	803.6	17.2	757.8
5/8/18	10.7	151.6	9.4	123.4	6/3/18	13.0	450.2	12.4	383.9	6/29/18	12.5	816.1	18.3	776.1
5/9/18	10.4	162.0	10.2	133.6	6/4/18	13.0	463.3	12.5	396.4	6/30/18	13.2	829.3	19.2	795.3
5/10/18	9.9	171.9	9.6	143.2	6/5/18	12.4	475.7	12.4	408.8	7/1/18	14.0	843.4	16.7	812.0

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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}).

Date	KBREC DD_{5C}		IREC DD_{5C}		Date	KBREC DD_{5C}		IREC DD_{5C}	
	Daily	Total	Daily	Total		Daily	Total	Daily	Total
7/2/18	13.8	857.1	16.7	828.6	7/28/18	14.3	1231.2	15.1	1279.2
7/3/18	12.6	869.8	16.3	844.9	7/29/18	14.3	1245.5	14.5	1293.6
7/4/18	13.9	883.6	16.7	861.7	7/30/18	14.5	1260.04	14.6	1308.2
7/5/18	11.9	895.5	17.3	878.9	7/31/18	16.7	1276.8	14.9	1323.1
7/6/18	11.5	907.0	13.9	892.8	8/1/18	14.5	1291.3	14.3	1337.3
7/7/18	11.0	918.0	15.5	908.3	8/2/18	13.6	1304.8	14.1	1351.4
7/8/18	12.6	930.6	16.3	924.6	8/3/18	12.6	1317.4	13.0	1364.4
7/9/18	13.8	944.4	18.5	943.1	8/4/18	12.4	1329.8	11.8	1376.2
7/10/18	12.7	957.1	18.5	961.6	8/5/18	11.7	1341.5	11.7	1387.9
7/11/18	13.5	970.5	18.0	979.6	8/6/18	12.8	1354.2	12.5	1400.4
7/12/18	14.8	985.3	19.0	998.6	8/7/18	13.8	1368.0	13.8	1414.2
7/13/18	16.9	1002.2	19.1	1017.7	8/8/18	14.5	1382.5	14.4	1428.5
7/14/18	16.6	1018.8	20.0	1037.8	8/9/18	17.1	1399.7	14.9	1443.4
7/15/18	15.3	1034.1	18.2	1056.0	8/10/18				
7/16/18	14.4	1048.5	17.9	1073.8	8/11/18				
7/17/18	15.6	1064.1	19.5	1093.4	8/12/18				
7/18/18	14.3	1078.4	19.1	1112.5	8/13/18				
7/19/18	14.4	1092.8	18.0	1130.5	8/14/18				
7/20/18	14.1	1106.9	16.9	1147.4	8/15/18				
7/21/18	14.0	1121.0	17.1	1164.5	8/16/18				
7/22/18	15.3	1136.2	16.2	1180.6	8/17/18				
7/23/18	16.7	1152.9	16.9	1197.6	8/18/18				
7/24/18	16.4	1169.4	17.1	1214.7	8/19/18				
7/25/18	16.1	1185.5	16.9	1231.6	8/20/18				
7/26/18	15.2	1200.6	16.6	1248.2	8/21/18				
7/27/18	16.3	1216.9	15.9	1264.1	8/22/18				

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Insect Trap Report July 31st – August 7th

Klamath County

TRAP	LOCATION	PTW	BLH	OLH	OP	PP
1	LP8 SW	0	0	1	2	0
2	Stateline	0	0	1	4	0
3	Northcutt, Micka Rd.	0	0	1	0	0
4	Harpold	0	0	5	3	0
5	Bonanza	0	0	4	1	0
6	Reeder Rd	0	0	1	0	0
7	HWY 39	0	0	2	1	0
8	Straights I4	0	0	2	3	0
9	Running Y	0	0	4	4	1

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

Modoc and Siskiyou

1	Haskins	0	0	2	5	0
2	Lot 18-20	0	0	13	3	0
3	Lot 380	0	0	2	4	0
4	SWS 227	0	0	6	5	0
5	Road 111	0	0	3	5	0
6	Road 123	0	0	0	3	0
7	HWY 39 and Road 101	0	0	2	2	0
8	Road 105	0	0	0	2	0
9	Road 107	0	0	1	1	0

Aphid Traps

		PA	GPA	OA	OP	PP
1	Keno	1	4	27	2	0
2	Keno Worden Rd.	1	4	27	0	0
3	Lower Lake	5	1	128	2	0
4	Caldonia	0	1	10	1	0
5	Malin	2	0	67	0	0
6	East Malin	1	1	51	0	0
7	Tear Ln.	0	0	17	0	0
8	Bly Mountain	0	2	34	2	0
9	Yonna Wood Drive	0	0	0	0	0
11	Mitchel Rd.	1	0	10	0	0

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