

Potato Bytes



Volume: 15
Issue: 10
Date: August 25, 2023

Klamath Basin Research and Extension Center
6941 Washburn Way
Klamath Falls, Oregon 97603
541-883-4590

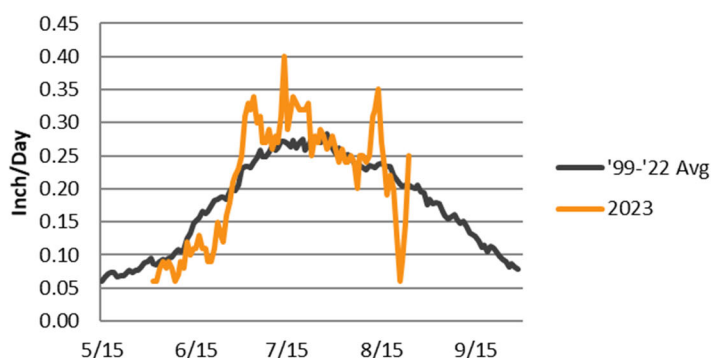
<http://oregonstate.edu/dept/kbrec>

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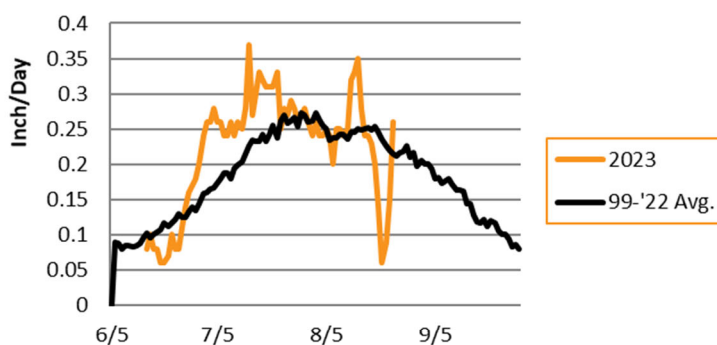


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Potato Crop Water Use Early Planting



Potato Crop Water Use Late Planting



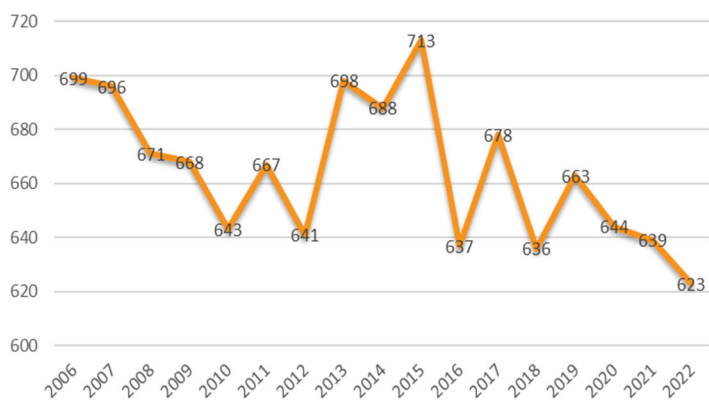
Inside this Issue:

Crop Water Use: 1

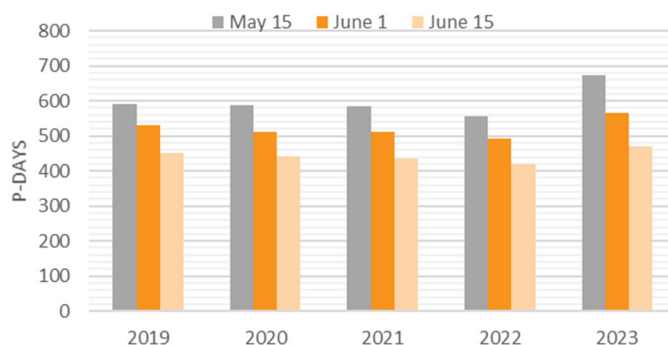
Soil Degree Data: 2-3

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Historical P-day Accumulation June 1 - September 15



Total P-Day Accumulation From Estimated Emergence Date



KBREC			
Actual Water Use:	Inches		
Planting Date:	Early		Late
Last 3 days:	0.49		0.50
Last 7 days:	1.10		1.13
Last 14 days:	3.02		3.09
Estimated Water Use:			
Next 7 days:	0.96		0.98
Season Total:	19.14		17.01

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Soil Degree-Day Accumulation -- KBREC and IREC 2023

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}).

Date	KBREC DD_{5C}		IREC DD_{5C}		Date	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
4/15/23	3.1	3.1	1.1	1.1	5/11/23	7.85	151.6	6.5	100.9	6/6/23	16.1	484.1	13.4	394.0
4/16/23	3.7	6.8	1.3	2.3	5/12/23	9.39	161.0	7.3	108.2	6/7/23	15.9	500.0	14.0	408.0
4/17/23	3.3	10.1	1.1	3.4	5/13/23	10.4	171.4	7.9	116.1	6/8/23	15.4	515.4	13.8	421.8
4/18/23	2.3	12.4	0.6	4.0	5/14/23	10.8	182.2	7.9	124.0	6/9/23	13.7	529.1	13.7	435.5
4/19/23	1.8	14.2	0.5	4.5	5/15/23	11.3	193.5	8.8	132.8	6/10/23	15.1	544.2	13.9	449.4
4/20/23	1.4	15.6	0.4	4.9	5/16/23	11.5	205.0	9.6	142.3	6/11/23	16.3	560.5	14.0	463.4
4/21/23	2.8	18.4	1.4	6.4	5/17/23	12.4	217.4	10.0	152.4	6/12/23	16.8	577.3	13.9	477.3
4/22/23	3.6	22.0	2.2	8.5	5/18/23	12.8	230.2	10.4	162.8	6/13/23	18.1	595.4	14.0	491.3
4/23/23	5.6	27.6	3.2	11.7	5/19/23	13.5	243.7	11.2	174.0	6/14/23	16.1	611.5	13.8	505.1
4/24/23	5.6	33.1	3.1	14.8	5/20/23	14.1	257.8	12.1	186.1	6/15/23	14.6	626.1	13.8	518.9
4/25/23	5.6	38.7	3.1	17.9	5/21/23	14.2	272.0	12.4	198.5	6/16/23	13.0	639.1	13.8	532.7
4/26/23	6.4	45.1	3.8	21.7	5/22/23	13.1	285.1	12.3	210.8	6/17/23	14.5	653.6	14.0	546.6
4/27/23	7.7	52.8	4.7	26.4	5/23/23	12.5	297.6	12.3	223.2	6/18/23	13.5	667.1	13.3	559.9
4/28/23	8.8	61.6	5.3	31.8	5/24/23	12.3	310.0	11.4	234.6	6/19/23	11.9	679.0	12.1	572.0
4/29/23	9.3	70.9	5.7	37.5	5/25/23	12.8	322.8	11.4	245.9	6/20/23	10.0	689.0	11.5	583.5
4/30/23	9.4	80.3	5.7	43.1	5/26/23	13.0	335.8	11.6	257.5	6/21/23	10.1	699.1	11.2	594.7
5/1/23	9.1	89.4	5.6	48.8	5/27/23	12.9	348.7	11.5	269.0	6/22/23	12.6	711.7	11.5	606.2
5/2/23	7.8	97.2	5.2	53.9	5/28/23	12.8	361.5	11.5	280.5	6/23/23	13.7	725.5	12.5	618.8
5/3/23	7.1	104.3	5.5	59.4	5/29/23	12.9	374.4	12.0	292.5	6/24/23	13.4	738.9	13.0	631.8
5/4/23	7.2	111.5	5.6	65.0	5/30/23	12.9	387.2	12.6	305.1	6/25/23	13.3	752.2	13.1	644.9
5/5/23	6.3	117.8	5.5	70.5	5/31/23	12.9	400.2	12.8	317.9	6/26/23	13.3	765.5	13.4	658.3
5/6/23	5.5	123.3	5.0	75.4	6/1/23	12.2	412.4	12.3	330.1	6/27/23	14.4	779.9	13.7	672.0
5/7/23	4.8	128.1	4.5	79.9	6/2/23	12.0	424.4	11.9	342.0	6/28/23	15.3	795.2	13.9	685.9
5/8/23	4.7	132.8	4.2	84.1	6/3/23	13.4	437.7	12.4	354.5	6/29/23	16.2	811.4	14.7	700.6
5/9/23	4.7	137.5	4.6	88.7	6/4/23	14.3	452.1	13.0	367.4	6/30/23	18.1	829.5	15.9	716.5
5/10/23	6.3	143.8	5.7	94.4	6/5/23	15.9	468.0	13.1	380.5	7/1/23	17.4	846.9	16.4	732.9



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Date	KBREC DD _{5C}		IREC DD _{5C}		Date	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
7/2/23	18.5	865.4	16.5	749.4	7/28/23	16.6	1307.4	17.6	1200.7	8/23/23	13.3	1709.6	15.2	1643.0
7/3/23	17.6	883.0	16.5	765.9	7/29/23	15.2	1322.7	17.4	1218.1	8/24/23	14.0	1723.6	15.2	1658.3
7/4/23	16.2	899.3	16.2	782.1	7/30/23	14.8	1337.4	17.1	1235.2	8/25/23				
7/5/23	17.3	916.6	16.0	798.1	7/31/23	15.3	1352.8	17.1	1252.2	8/26/23				
7/6/23	16.3	932.9	16.5	814.5	8/1/23	16.3	1369.1	17.4	1269.7	8/27/23				
7/7/23	15.61	948.5	17.0	831.5	8/2/23	16.2	1385.3	17.8	1287.4	8/28/23				
7/8/23	16.7	965.3	16.9	848.5	8/3/23	15.7	1401.0	17.7	1305.1	8/29/23				
7/9/23	17.3	982.5	16.7	865.2	8/4/23	16.6	1417.6	17.2	1322.3	8/30/23				
7/10/23	17.5	1000.0	16.8	882.0	8/5/23	14.8	1432.4	16.9	1339.3	8/31/23				
7/11/23	16.4	1016.4	15.7	897.7	8/6/23	14.9	1447.2	16.9	1356.2	9/1/23				
7/12/23	15.7	1032.1	16.5	914.2	8/7/23	14.6	1461.8	17.0	1373.2	9/2/23				
7/13/23	19.6	1051.8	17.4	931.6	8/8/23	14.9	1476.7	16.7	1389.9	9/3/23				
7/14/23	17.8	1069.6	17.2	948.8	8/9/23	15.1	1491.8	16.8	1406.7	9/4/23				
7/15/23	18.1	1087.7	17.4	966.2	8/10/23	15.1	1506.9	16.7	1423.4	9/5/23				
7/16/23	18.4	1106.1	17.5	983.7	8/11/23	17.0	1524.0	17.2	1440.6	9/6/23				
7/17/23	17.7	1123.9	17.3	1001.0	8/12/23	15.2	1539.2	17.7	1458.2	9/7/23				
7/18/23	16.7	1140.6	17.3	1018.3	8/13/23	15.6	1554.8	17.4	1475.7	9/8/23				
7/19/23	17.6	1158.2	18.3	1036.6	8/14/23	17.2	1571.9	17.4	1493.0	9/9/23				
7/20/23	18.5	1176.7	18.9	1055.6	8/15/23	18.3	1590.2	17.6	1510.6	9/10/23				
7/21/23	17.4	1194.2	19.4	1074.9	8/16/23	17.0	1607.2	17.4	1528.0	9/11/23				
7/22/23	16.7	1210.9	18.9	1093.8	8/17/23	16.4	1623.6	17.4	1545.4	9/12/23				
7/23/23	16.4	1227.3	18.5	1112.3	8/18/23	17.3	1640.9	17.6	1563.0	9/13/23				
7/24/23	16.3	1243.6	17.8	1130.1	8/19/23	15.6	1656.5	17.3	1580.2	9/14/23				
7/25/23	15.8	1259.4	17.4	1147.5	8/20/23	14.7	1671.2	16.6	1596.8	9/15/23				
7/26/23	15.7	1275.2	17.8	1165.3	8/21/23	13.0	1684.1	16.0	1612.8	9/16/23				
7/27/23	15.7	1290.9	17.8	1183.1	8/22/23	12.2	1696.3	15.1	1627.8	9/17/23				

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Insect Trap Report August 16 – August 22

Klamath County

TRAP	LOCATION	PTW	BLH	OLH	OP	PP
1	St. Line/Adams Pt	0	0	0	2	0
2	St. Line/Suty	0	0	2	0	1
3	Stastny	0	0	1	2	0
4	Transformer	0	0	4	0	0
5	Reeder Rd	0	0	4	0	0
6	Hwy 39	0	0	0	0	0
7	Malin Hwy/Pope	0	1	11	0	0
8	Malone/St. Line	0	0	0	0	0
9	Hwy 140	0	0	36	0	0

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

Modoc and Siskiyou County

1	Haskins	0	0	8	0	0
2	Duck Shack	0	0	2	0	0
3	Pole Line	0	1	5	0	0
4	Rd. 111	0	0	24	0	0
5	Rd 124	0	0	2	0	0
6	Hwy 139	0	0	3	10	0
7	Rd 102 & 112	0	0	0	0	0
8	Yost Rd	0	0	2	1	0
9	Rd. 110 & 105	0	0	3	0	0

Aphid Traps

	TA	OP	PP
1 Lower Lake Rd.	22	0	0
2 Township Rd.	N/A	N/A	N/A
3 Dorris	0	0	0
4 Kandra Rd.	1	1	0
5 Malin	0	0	0
6 Haskins Rd.	1	0	0
7 Jespersen	0	0	0

TA: Total Aphids
OP: Other Psyllids
PP: Potato Psyllids

Answer: A rotate-o!