Online Decision Support for Irrigation

Iver Thysen

Danish Institute for Agricultural Sciences Iver.thysen@agrsci.dk

Pl@nteInfo







2. september 2004 Lars Landmand

Forside | Vejret | Afgrøder | Planteværn | Vand | Kvælstof | Sorter | Bier | Mobil | eRåd | Links | Hjælp | English

Velkommen til PlanteInfo

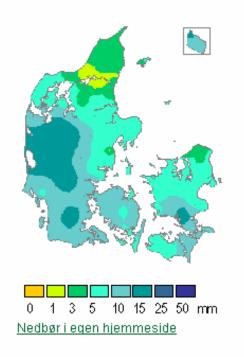
Vandregnskab Åbne vandregnskaber Vandbalance MARKVAND

Vejret i PlanteInfo

I Pl@nteInfo får du vejrudsigterne fra DMI præsenteret med de detaljer en planteavler har brug for. Læs mere Om vejret. Du kan få SMSer til bestemte tider på døgnet (Daglig SMS) eller hente SMSerne når du ønsker det. (SMS på bestilling)

Nedbør

31/08 kl. 08 - 01/09 kl. 08



Fordampning 31/08 kl. 08 - 01/09 kl. 08

Veiledning

Se hvordan du bedst bruger Planteinfo. Læs mere ...

Her bor iea ...

Den røde prik på kortet viser hvorfra du får lokale vejrdata i prognoser, eVarsling m.m.

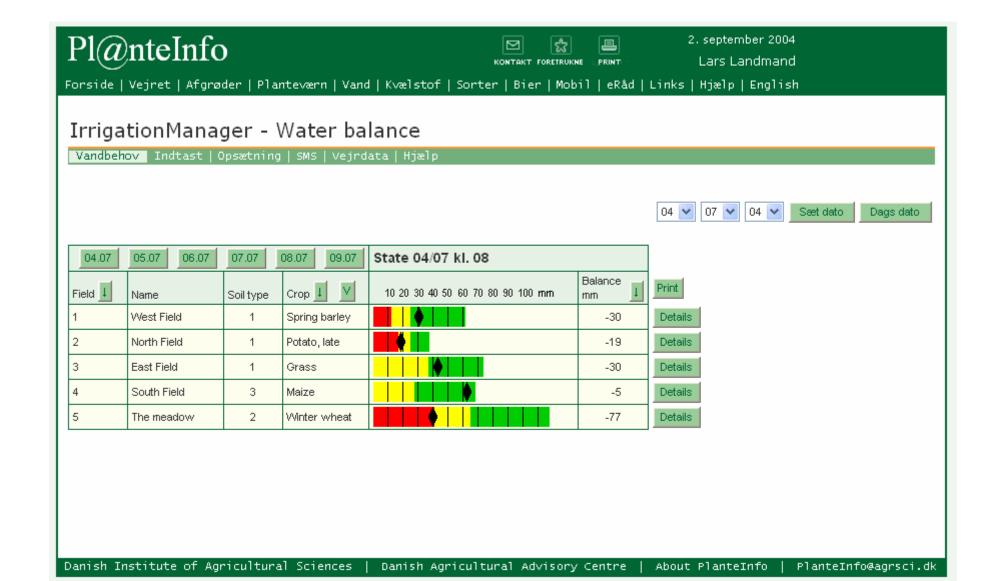


Grid 1049

Afmeld SMS og Email uden at logge ind

Sider med begrænset adgang

Irrigation Manager



Soil water state of the day

04.07	05.07 06.07	07.07	08.07	State 04/07 kl. 08		
Field 1	Name	Soil type	Crop I	10 20 30 40 50 60 70 80 90 100 mm	Balance mm	Print
1	West Field	1	Spring barley		-30	Details
2	North Field	1	Potato, late		-5	Details
3	East Field	1	Grass		-31	Details
4	South Field	3	Maize		-2	Details
5	The meadow	2	Winter wheat	•	-63	Details

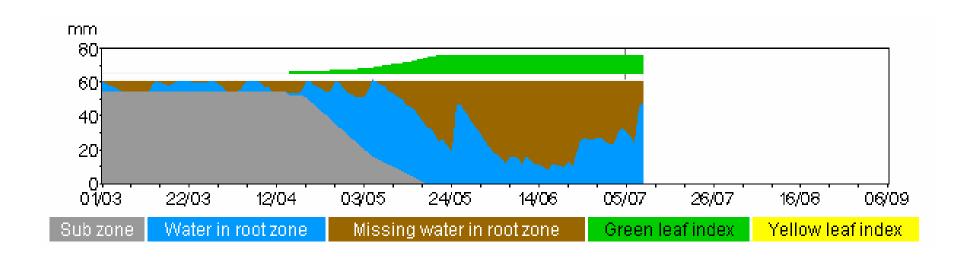
Soil water forecast

04.07	05.07 06.07	07.07	09.07	Forecast 09/07 kl. 08		
Field 1	Name	Soil type	Crop I	10 20 30 40 50 60 70 80 90 100 mm	Balance mm	Print
1	West Field	1	Spring barley		-15	Details
2	North Field	1	Potato, late		-19	Details
3	East Field	1	Grass		-29	Details
4	South Field	3	Maize		-5	Details
5	The meadow	2	Winter wheat	•	-76	Details

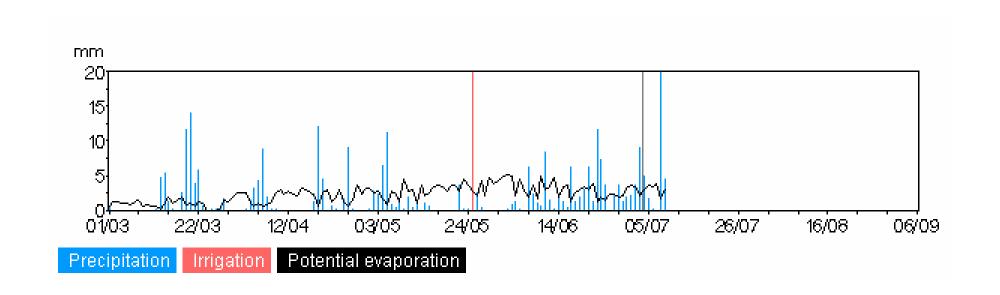
Printout for operations

			Seneste vanding		Baland	e (mm)	Næste vanding	
Mark-nr	Na∨n	Afgrøde	Dato	mm vand	03/07 Vejrdata	09/07 Prognose	Dato	mm vand
1	West Field	Vårbyg	25/05	30	-30	-13		
2	North Field	Kartofler, sene	22/05	30	-5	-7		
3	East Field	Græs	24/05	35	-31	-33		
4	South Field	Majs			-2	-4		
5	The meadow	Vinterhvede			-63	-65		

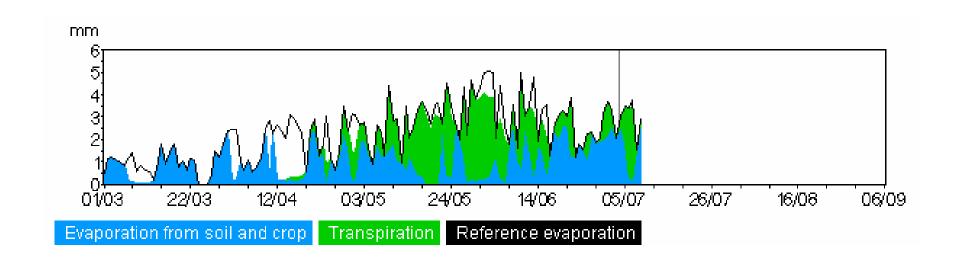
Explanation 1: Soil water status



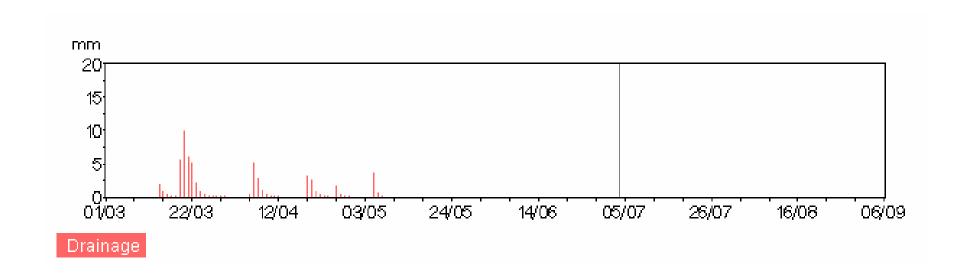
Explanation 2: Precipitation, reference evaporation and irrigation



Explanation 3: Evaporation and transpiration



Explanation 4: Drainage



Quick start page

Markplan n	Markplan nr 1									
Field	Name	Soil type	Crop	Emergence ^a Growth start ^b						
1	West Field	1 Coarse sand	Spring barley	15.04						
2	North Field	Tekstur - JB 1	Potato, late	15.05						
3	East Field	1 Coarse sand	Grass	06.04						
4	South Field	3 Coarse sand with clay	Maize	30.05						
5	The meadow	2 Fine sand	Winter wheat	06.04						
^a Spring cro	Spring crops bWinter crops Complete More fields									

Irrigations

Mark nr	Mark navn	Afgrøde	Vandi	ng 1	Vanding 2					
IVIGITA I II	IVIGITA HOVII	Algibue	Dato	mm	Dato	mm				
1	West Field	Spring barley	25.05	30						
2	North Field	Potato, late	22.05	30						
3	East Field	Grass	24.05	35						
4	South Field	Maize								
5	The meadow	Winter wheat								
	Gem									

Precipitation recorded by farmer

juni	juni 2004 🕶										
Mandag	Tirsdag	Onsdag	Torsdag	Fredag	Lørdag	Søndag					
	1 0.0	2 0.0	3 1.0	4 2.0	5 0.0	6 0.0					
7 7.0	8 1.0	9 0.0	10 2.0	11 10.0	12	13					
14	15	16	17 10.0	18 2.0	19 1.0	20 0.0					
21 0.0	22 0.0	23 18.0	24 2.0	25 0.0	26 0.0	27 0.0					
28 3.0	29 0.0	30 0.0									
	Gem										

Two-layer soil description

		Top soil		Sub soil	Max	Max water-					
Field	Field name	Soil type	Depth cm	Soil type	root depth (cm)	capacity (mm)					
1	West Field	1 Coarse sand	30	1 Coarse sand	50	61					
2	North Field	Texture - Soil type 1	25	Texture - Soil type 3	50	38					
3	East Field	1 Coarse sand	30	3 Coarse sand with clay	50	73					
4	South Field	3 Coarse sand with clay	30	1 Coarse sand	60	75					
5	The meadow	2 Fine sand	30	4 Fine sand with clay	60	117					
	Save										

Soil texture

	Field name		Top soil					Sub soil			
Field		Depth cm	Org.	Clay	Silt	Fine sand	Org.	Clay	Silt	Fine sand	Delete texture
1	West Field	30									Delete
2	North Field	25	2	4	5	4	1	5	4	2	Delete
3	East Field	30									Delete
4	South Field	30									Delete
5	The meadow	30									Delete
	Save										

Crop development stages

Field	Name	Crop	Emergence ^a Growth start ^b		Date for start of development stage					
1	West Field	Spring barley	15.04	Heading	20.06	Filling	30.06	Ripening		
2	North Field	Potato, late	15.05	Tuber formation	03.06	Tuber growth	07.07	Ripening		
3	East Field	Grass	06.04	1. cut	15.05	2. cut	20.06	3. cut		
4	South Field	Maize	30.05	Flowering		Filling		Ripening		
5	The meadow	Winter wheat	06.04	Elongation/heading	15.05	Filling	04.07	Ripening		
^a Sprir	Spring crops Winter crops									