



## **VegNet Vol. 10, No. 8, June 25, 2003**



### **Get Ready To Irrigate!**

**By R. Precheur**

Now how crazy does that sound.

Today, in Columbus, will probably be the first day we hit 90 degrees since early last fall in 2002. With biblical rains, (rain for 40 days out of the past 49 days), it is hard to believe we should be thinking about irrigation. However, all this cool, wet weather has led to poorly developed and shallow root systems. This week for the first time this season we finally have had 4 or 5 days of bright sun and warm temperatures. With the sun at it's strongest this time of year and a cloudless sky, evapotranspiration is very high. Plants with limited root systems can easily be placed into a stress situation that can lead to quality issues latter at harvest. Small amounts of irrigation may be appropriate to relieve stress without returning soils to a waterlogged situation. Watch your crops closely if we continue to have bright, sunny and windy weather. Exceptions to this will be in southern and southwest OH where there have been excessive amounts of rain.



### **Some Early Sweet Corn Results from the 2003 Trials**

**By R. Precheur**

In terms of percent plant stand and plant vigor, the extra tender varieties (272A, 277A) planted in mid-May came through the cold, wet weather very well with generally good germination and vigor. Even April plantings of other varieties in this series also looked good.

**Other sh2 varieties from the trials with good germination and vigor include: bicolor varieties ACX725 BC, ACX 1012 BC, BSS9686, white varieties WSS 0986 and ACX 1068W. Many of these were more vigorous than some of the se's in the trial.**

**In the bicolor se trial, the earlier maturing varieties had less vigor than later maturing varieties at two locations planted in mid May. The varieties tested were: Chippewa, Navajo, Luscious, Bojangles, Ambrosia, Brocade, and HMX 0351 BES. At the first location, Temptation planted at the same time was extremely vigorous in comparison to the bicolor varieties in the trial. These differences among the trial varieties were not as obvious in a May 28 planting where germination and plant vigor were good.**

**Two white se varieties with good germination and plant vigor in all plantings were Cloud Nine and Whiteout.**

**Early results from the thermo-gradient table again indicate that for 10 of the 23 varieties in the trial, the best germination is at 68 degrees F or higher. Growers should invest in soil thermometers and know their soil temperature at planting time.**



## **Crop Reports**

**Hal Kneen, R. Precheur**

### **Southeast Ohio Report of June 18 2003**

**Weather continues to favor rice over traditional crops of tomatoes, sweet corn and melons. Too much rainfall- almost a daily event. Harvesting of cabbage continues- excellent quality. Due to heavy equipment and its corresponding rutting of the fields, harvesting will have a negative effect on future soil conditions- compaction. Farmers will need to rip rutted fields latter this Fall.**

**Sweet corn continues grow. Several growers have corn in tassel and silk however we also saw larger numbers of corn earworm (30 moths in my trap) this past week. As temperatures climb over 80 degrees Fahrenheit pesticides sprays will need to be applied every three days. See further information in 2003 Ohio Vegetable Production Guide. I predict nitrogen deficits will create some smaller than normal ears, especially on the earliest corn.**

**Tomatoes continue to limp along. Early blight & bacterial speck have been sighted in fields especially in PicRed variety on bare ground. Raised beds covered in black plastic Show less damage. Warmer days have helped tomato growth however we are still behind. Peppers are also seeing some plant growth with the higher night temperatures, peppers forming on green bell pepper plants.**



## **The 7 Day Outlook**

## R. Precheur

### Akron Canton

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	64 68	59 73	63 73	67 72	65 73	65 73
POP 24 hrs	36	22	60	45	40	36

### Cincinnati-KCVG MRF MOS GUIDANCE

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	64 74	62 77	67 79	68 76	68 77	69 79
POP 24 hrs	15	17	39	44	50	36

### Cleveland

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	65 70	61 73	66 74	68 73	67 75	67 74
POP 24 hrs	38	24	63	41	37	35

### Columbus

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	65 74	62 77	66 79	70 77	68 77	68 79
POP 24 hrs	28	21	52	50	43	35

### Findlay

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	61 71	60 74	66 76	67 75	66 75	66 75
POP 24 hrs	24	28	58	40	37	32

### Toledo

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	62 73	60 74	64 75	67 77	66 77	66 76
POP 24 hrs	24	31	58	34	33	29

### Zanesville

Day/Date	FRI 27	SAT 28	SUN 29	MON 30	TUE 01	WED 02
Temp Min Max	64 73	58 76	63 78	66 77	65 77	65 78
POP 24 hrs	34	16	49	48	40	33



## What's New At The VegNet Web Site

### Problem Of The Week

A pictorial comparison of Squash Vine borer damage and Bacterial Wilt in pumpkins. While the symptoms are similar, there are some key differences. Check it out. Click on the 'Problem of the Week' button of the left side.

### Highlights From the Pumpkin and Muck Crops Field Days

**Couldn't make it to Celeryville on July 25th or forgot about The Pumpkin Field Day on August 7th, then take a look at just a few of the highlights from these two field days. Click on the 'Talk Between The Rows' button on the VegNet homepage.**

## **2001 Slide Presentations**

**Pepper Variety Slides 2001 | HTML Slide Show**

**Pumpkin Variety Slides 2001 | HTML Slide Show**

**Go to the Library Section under Research Reports.**

## **VegNet Vegetable Schools**

**A series of slide presentations are now available in order to update you on the latest pumpkin and sweet corn research. We begin with 6 pumpkin topics in Pumpkins 101 and have 10 slide presentations available in Sweet Corn 101. In sweet corn. Powerpoint presentations and html online slide shows are available now. Go to the VegNet homepage.**

### **Pumpkins 101**

**The use of trap crops and Admire for cucumber beetle control and New varieties for 2001. We have presentations on cover crops for disease control and pumpkin fungicide use.**

- **Perimeter Trap Cropping. Online html slide show | Perimeter Trap Cropping. PPT, 7 Mbytes**  
**See also the Research Results section on the home page for text version of the report.**
- **Pumpkin Variety Slides 2001 | HTML Slide Show**

### **Sweet Corn 101**

**Presently only Powerpoint presentations available. Coming Soon: Online HTML slide shows. Check back often Nine topics including:**

- **Aspects of Variety Selection based on Disease Control [ ppt 40 KB]**
- **Internet Link To "Reactions of Sweet Corn Hybrids to Prevalent Diseases" Dr. Jerald Pataky**  
**[www.sweetcorn.uiuc.edu](http://www.sweetcorn.uiuc.edu)**
- **Producing Early Sweet Corn [ ppt 3.5 Mbytes ]**
- **Managing Weeds in Sweet Corn [ ppt, 9 Mbytes ]**
- **Sweet Corn Herbicides & Variety Sensitivity. [ ppt 2Mbytes ]**
- **Sweet Corn Development and Critical Periods for Irrigation Management [ppt 1.6 Mbytes ]**
- **Flea Beetle Management in Sweet Corn [ ppt 510 KB ]**
- **How To Keep Worms Out of Sweet Corn Ears [ ppt 8.3 Mbytes ]**
- **Role of Bt Transgenic Hybrids in Sweet Corn Pest Management. [ ppt 21.2 Mbytes ]**

## Bt Sweet Corn Efficacy in OH, 1999-2000 [ppt, 208 KB ]



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We appreciate very much the financial support for this series of vegetable reports which we have received from the board of growers responsible for the Ohio Vegetable and Small Fruit research and Development Program. This is an example of use of Funds from the "Assessment Program".

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