



Newsletter Extension

Fruit ICM News

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Calendar

February 7-9, 2001: Ohio Fruit Growers Society Congress, in conjunction with the Ohio Vegetable and Potato Growers Association and Ohio Direct Marketing Association, in Toledo. Wednesday - general sessions, trade show opens, tree fruit marketing & cider sessions. Thursday - breakfast & society business meeting, tree fruit session, trade show, joint tree fruit and roadside marketing session, cider session, general sessions. Friday - tree fruit session, general sessions. More information will follow at a later date.

February 19 - March 4, 2001: New Zealand Fruit Tour, Dr. Peter Hirst, extension fruit specialist in Indiana, will be leading a 14-day tour to New Zealand from February 19 to March 4, 2001. For more information refer to past issues. For a brochure and registration form, or if you have any questions, call Peter Hirst at 765-494-1323 or e-mail him at hirst@hort.purdue.edu.

Agricultural Safety

Source: National Institute for Occupational Safety and Health (NIOSH) Facts: Agricultural Safety and Health, July, 1996, <http://www.cdc.gov/niosh/agfc.html>

The accounts of a recent area farm death serves as a reminder that farm safety is so important.

Agriculture ranks among the most hazardous industries. Farmers are at high risk for fatal and nonfatal

injuries, work related lung diseases, noise induced hearing loss, skin diseases, and certain cancers associated with chemical use and prolonged sun exposure. Farming is one of the few industries in which the families are also at risk for injuries, illness, and death.

- More than 3.5 million full-time workers are employed in agriculture. If unpaid farm workers and family members 14 and older are included, nearly 8 million work in agriculture.
- Approximately one million children and adolescents under 14 years of age reside in farm operator households, while another 800,000 children and adolescents live in households headed by hired farm workers.
- Each year, about 100 children are killed and 100,000 children and adolescents are injured in agriculture related activities. Everyday, about 500 agricultural workers suffer disabling injuries and almost half of these result in permanent impairment.

Pest Review

2000 North Central Ohio IPM Program; Gene Horner & Jim Mutchler, Scout/Technicians

	Apple Pests					Peach Pests			
	STLM	CM*	AM^	SJS	RBLR	RBLR	OFM	LPTB	PTB
# of traps	20	60	60	20	20	7	7	7	7
Week of: April 3	0				17.1	5	0		
10	254.7				24	21	0.4		
17	835.4				7.6	8.7	0.6		
24	626.4				16.8	25.9	1.6		
May 1	551.5	4.4		0	10.2	16.8	4.5		
8	708.9	6.0		32.5	16.2	14.2	9.0		
15	350	17.4		1.2	1.8	1.0	6.4	36.0	0.8
22	traps removed	1.9		0.7	.1	0.1	3.4	13.2	5.7
29		3.4		0	0	0	9.6	6.9	2.3
June 5		3.5		0	0	0	20.2	20.1	2.7
12		7.2		0	4.6	9.6	22.4	35.0	3.7
19		4.3		0	28.0	46.3	10.7	45.9	6.0
26		4.5		0	26.3	46.3	8.6	22.1	6.7
July 3		2.1		0	9.9	13.6	5.6	21.3	4.2
10		0.7	.6	43.8	6.2	9.0	8.0	18.6	5.9
17		1.2	.1	40.7	0.5	0.4	9.9	10.0	6.5

24		1.1	.3	3.9	0.2	0.3	4.6	11.4	5.3
31		3.6	2.5	143	2.9	6.5	8.3	21.9	8.6
August 7		7.7	1.2	53.8	9.1	7.9	3.1	22.9	7.0
14		9.6	2.8	22.9	16.5	26.7	7.9	35.6	3.4
21		6.5	.7	0	11.9	21.9	2.4	25.1	2.7
28		5.7	2.1	23.7	10.6	29.3	17.9	29.0	1.9
September 4		2.7	.1	.7	9.8	27.4	10.3	14.5	1.8

CM* - 3 Multipher-1 trap set averages

AM^ - 3 trap set total

KEY: STLM - spotted tentiform leafminer, CM - codling moth, AM - apple maggot, SJS - San Jose scale,

RBLR - redbanded leafroller, OFM - Oriental fruit moth,

LPTB - lesser peachtree borer, PTB - peachtree borer

Pest Review

2000 Waterman Lab, Columbus; Dr. Celeste Welty, OSU Extension Entomologist

	Apple Pests									Peach Pests		
	STLM	DWB	CM*	AM^	SJS	RBLR	OBLR	TABM	VLR	OFM	LPTB	PTB
Week of: March 27	348					13				0		
April 3	506					17				0		
10	5	0				1				0	0	
17	214	0				4				1	0	0
24	43	0	0		0	0				0	0	0
May 1	25	0	1.3		0	0	0	0	0	0	0	0
8	4	0	27.3		268	0	0	0	0	28	2	0
15	0	0	12.3		4	0	0	0	0	14	0	0
22	59	1.5	22.0		0	0	0	0	0	8	4.0	0
29	439	1.0	11.7		0	0	0	1	0	18	2.0	0
June 5	663	0	6.3	1	0	6	0	0	3	24	0	1.5
12	757	0	11.0	0.7	0	15	0	1	2	39	4.5	3.0
19	345	1.0	6.7	0.7	0	17	0	2	1	13	1.0	5.0
26	87	2.5	3.7	1.0	0	3	0	0	1	6	1.5	4.5

July 3	189	1.5	4.0	0.3	0	1	0	0	0	13	0	7
10	459	1.0	5.7	0	0	0	0	0	0	27	1.5	6.5
17	636	1.5	14.3	0	0	6	0	0	1	17	2.0	7.5
24	622	2.0	7.4	1	0	15	1	2	0	15	2.5	6.5
31	294	0.5	15.7	0.3	0	14	0	1	1	38	1.0	9.0
August 7	82	1.0	10.7	1.7	0	27	0	0	7	31	2.0	8.5
14	124	1.5	19.3	1.3	0	37	0	0	1	9	10.5	18.0
21	221	0	8.0	1.0	0	36	0	1	3	9	3.0	15.0
28	494	0	6.3	1.7	0	18	0	0	0	25	3.0	16.0
September 4	377	1.0	3.3	0.7	4	17	0	0	0	15	1.0	5.0

CM* - 3 Multipher-1 trap set averages

AM^ - 3 trap set total

KEY: STLM - spotted tentiform leafminer, CM - codling moth, AM - apple maggot, SJS - San Jose scale,

RBLR - redbanded leafroller, OBLR - obliquebanded leafroller, TABM - tufted apple bud moth,

VLR - variegated leafroller, OFM - Oriental fruit moth,

LPTB - lesser peachtree borer, PTB - peachtree borer

Pest Review

2000 Wayne County; Ron Becker, Agriculture & IPM Program Assistant

	Apple Pests					Peach Pests		
	STLM	CM*	AM^	PC	RBLR	OFM	LPTB	PTB
# of traps	10	30	30	2	23	7	7	7
Week of: March 27	40				62			
April 3	298.4				51.6			
10	58.4				8			
17	525			2	49			
24	41.6			0	20	27.0	0	
May 1	196			0	33.9	10.0	0	
8	12			0	9.3	13.0	0.7	
15	12	7		0	4.5	4.8	6.3	0
22	2.8	11.8		0	0.2	4.4	2.7	0
29	14.4	9.2		0	0.9	20.3	1.0	0

June 5	131.5	7.5		0	0.1	36.3	2.7	0
12	424.9	9.3		0	6.8	20.4	2.7	0
19	191.2	10.7		0	19.7	19.5	2.0	5.0
26	484.5	2.9		0	13.6	16.4	3.7	3.9
July 3								
10	99.3	1.4		0	5.1	20.4	0.3	4.0
17	420.9	4.9		0	0.3	40.0	1.0	5.6
24	450.4	9.4	0.3		1.1	37.8	2.0	2.6
31	365.9	12.7	0.6		6.5	31.6	0.7	3.8
August 7	408.3	18.8	1.1		15.5	27.8	0	2.9
14	500.3	18.4	0.5		13.7	0.8	1.3	0.8
21	357.5	16.8	0.3		17.8	36.6	1	0
28	83.4	9.0	0.5		19.5	60.5	0	0.4
September 4	386.3	5.8	4.6		22.7	33.8	0	0

CM* - 3 Multipher trap set averages

AM^ - 3 trap total

KEY: STLM - spotted tentiform leafminer, CM - codling moth, AM - apple maggot, SJS - San Jose scale,

RBLR - redbanded leafroller, TABM - tuffed apple bud moth, OFM - Oriental fruit moth,

LPTB - lesser peachtree borer, PTB - peachtree borer

Terminal Market Wholesale Fruit Prices October 5, 2000

Chicago http://www.ams.usda.gov/mnreports/HX_FV010.txt	
Apples: market about steady	
Cartons cellpack New York US Fancy McIntosh 80's 23.00 96's 22.00 Wisconsin US Extra Fancy Paula Red 96's 11.00 Cartons 12 3-lb filmbags Illinois US Fancy Jonathan 2 1/4" up 11.00-11.50	Bushel cartons loose Illinois Red Delicious 3" & up 12.00, 2 1/4" & up 12.00 Jonathan 2 1/4" up 11.00-12.00 No grade marks Golden Delicious 2 1/2" & up 11.00-13.00 Jonathan 2 1/2" & up 12.00 Michigan - No grade marks Red Delicious 2 1/2" min 11.00-12.00, some 13.00

Golden Delicious 2 1/2" up 11.00-13.00	
Detroit http://www.ams.usda.gov/mnreports/DU_FV010.txt	
Apples: market steady	
Cartons 12 3-lb filmbags Michigan US Fancy Red Del. 2 1/2" min 10.00-11.50, mostly 10.00 Golden Delicious 2 1/2" min 10.00-12.00, mostly 10.00 Gala 2 1/2" min 11.50-12.00, some 14.00-14.50 Rome 2 1/2" min 10.00, few 12.00 McIntosh 2 1/2" min 10.00-12.00, mostly 11.50-12.00 Jonathan 2 1/2" min 12.00-13.00, mostly 12.00, some 10.00 Empire 2 1/2" min 10.00-12.00, mostly 11.50-12.00	Bushel cartons loose Michigan US Fancy Red Del. 2 3/4" & up 11.50-12.00 3" min 11.50-12.00 Golden Delicious 2 3/4" up 11.50-12.00 3" min 11.50-12.00 Gala 2 3/4" up 11.50-12.00 Rome 3" min 11.50-12.00 McIntosh 2 3/4" up 11.50-12.00 Jonathan 2 3/4" up 11.50-12.00 Empire 2 3/4" up 11.50-12.00
Pittsburgh http://www.ams.usda.gov/mnreports/PS_FV010.txt	
Apples: market about steady	
Cartons cellpack New York US ExFancy McIntosh 100's 19.00 120's 16.00 Bushel cartons loose Michigan No grade marks Red Delicious 2 1/2" min 12.50-14.50 Golden Delicious 2 1/2" min 12.50-14.50 Gala 2 1/2" min 15.00-16.50 McIntosh 2 1/2" min 12.50-14.50 Paula Red 2 1/2" min 11.00-11.75	Bushel cartons loose, continued Pennsylvania No grade marks Red Delicious 2 1/2" min 9.00-10.00 Golden Delicious 2 1/2" min 11.00-13.00 mostly 11.00-12.00 Gala 2 1/2" min 11.00-13.00 mostly 11.00-12.00 Rome 2 1/2" min 12.00-13.00 McIntosh 2 1/2" min 9.00-10.50 Jonagold 2 1/2" min 11.00-13.00 mostly 11.00-12.00

Preliminary Monthly Climatological Data for Selected Ohio Locations September 2000

Weather Station Location	Monthly Precip	Normal Monthly Precip	Year-to-Date Precip	Normal Year-to-Date Precip	Average High	Normal High	Average Low	Normal Low	Mean Temp.	Normal Mean
Akron-Canton	4.01	3.32	38.42	28.51	71.2	73.7	51.7	53.7	61.5	63.7
Cincinnati	4.78	2.88	38.93	31.96	74.9	77.9	54.8	56.6	64.8	67.3
Cleveland	3.29	3.44	31.73	27.83	72.2	73.6	54.0	54.2	63.1	63.9
Columbus	4.18	2.96	34.43	29.86	74.3	76.2	55.3	54.8	64.8	65.5
Dayton	2.84	2.54	26.08	28.16	74.6	76.5	53.6	55.1	64.1	65.8

Mansfield	2.54	3.38	33.29	30.74	71.7	73.7	52.2	54.0	61.9	63.9
Norwalk	3.51	3.16	38.25	27.75	72.0	74.5	53.3	52.1	62.7	63.3
Toledo	4.99	2.85	31.90	25.13	73.1	74.4	51.8	51.5	62.5	63.0
Wooster	2.73	3.24	26.44	28.39	73.6	75.5	51.3	51.4	62.5	63.5
Youngstown	3.18	3.48	29.56	28.66	71.9	72.6	50.9	51.6	61.4	62.1

Temperatures in degrees F, Precipitation in inches

Table Created by Ted W. Gastier, OSU Extension from National Weather Service, OARDC & Local Data

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