



Kentucky Fruit Facts

Research & Education Center
P.O. Box 469, Princeton, KY 42445

January 1999 (1-99)

Prepared by John Strang, and Jerry Brown, Extension Horticulturists; Ric Bessin, Extension Entomologist; John Hartman, Extension Plant Pathologist; John Strang, Editor, Marilyn Hooks and Elizabeth Griffin, Secretaries

<http://www.uky.edu/Agriculture/HLA/> follow the link to Extension programs & Publications and click on Fruit Facts

Meetings

Jan. 17-19 - 14th Annual Midwest Regional Grape & Wine Conference, Marriott's Tan-Tar-A Resort, Lake Ozark, MO. Pre-Conference Seminar \$60.00, Conference Fee \$95.00. Contact Missouri Dept. of Ag., Mkt. Development Div. 800/392-WINE.

Jan. 18-20 - Michigan State University Fruit School (High Density Apple Establishment and Management) Kellogg Biological Station, Contact Ron Perry 517/353-6789. Kentuckians interested in car pooling, contact Billy Reid 502/685-2444.

Jan. 21 - Vegetable and Strawberry Grower's Meeting, Fairview, KY, 9:00AM- 3:00 PM. Contact Jay Stone 502/886-6328.

Jan. 20-22 - North American Farmers Direct Marketing Conference. The Grand Center, Grand Rapids, MI. Pre registration \$85 (before Dec. 14th). Contact Bob Tritten 810/234-4126.

Jan. 25-26 - Heartland Grape and Wine Coalition Grape School II short course, Indianapolis, IN. Contact Bruce Bordelon 765/494-8212.

Jan. 25-27 - The Indiana Horticultural Congress, Adam's Mark Hotel Indianapolis, Indianapolis, IN. Contact Jane Carter 765/494-1293.

Jan. 29 - Ohio, Kentucky, Indiana Commercial Small Fruit & Vegetable Update, Campbell County Extension Office, Highland Heights, KY, 9:00 AM-4:00 PM. phone 606/572-2600.

Feb. - Farm Labor Issues Seminars, Sponsored by the Kentucky Farm Labor Task Force, 10:00 AM - Noon, These seminars will be geared for producers/employers and agency people. Contact Richard Maurer phone 606/257-7582.

Feb. 2 - Murray, George Weaks Community Center

Feb. 3 - Owensboro, Blanford Lecture Hall, Humanities

Bldg., OCC

Feb. 16 - Munfordville, Hart County Library

Feb. 17 - Shelbyville, Farm Bureau Bldg.

Feb. 18 - Lexington, Good Barn

Feb. 23 - Flemingsburg, Extension Bldg.

Feb. 3-5 - Ohio Fruit & Vegetable Growers Congress & Ohio Roadside Marketing Conference held in conjunction with The Ohio Wine Producers Association Short Course, Toledo SeaGate Centre, Toledo, OH. Contact Ohio Fruit & Vegetable Growers Congress, Two Nationwide Plaza, P.O. Box 479, Columbus, OH 43216 or for the Grape-Wine Short Course, 800/277-6972.

Feb. 5-10 - North American Strawberry Growers Association Annual Meeting, Adams Mark Hotel, Orlando, FL, Contact Bob & Donna Cobbledick, #24 Lake St., Grimsby, ON Canada L3M 1Z4 phone 905/945-8643.

Feb. 25 - Pruning and Grafting Fruit Trees, Laurel County Extension office, 1:00 and 6:30 PM respectively. Contact Glen Williams 606/864-4167.

Feb. 26 - Northern Piedmont Specialty Crops School, Ramada Inn, Jct. off Interstate 85 and NC 96, Oxford, N.C. Conference will concentrate on growing and marketing specialty crops. Contact Carl Cantaluppi 919/603-1350.

Mar. 1 - Apple Tree Grafting, Bell County, 6:30 PM, Pineville, KY. Contact D. J. Skully 606/337-2376.

Mar. 2 - Fruit Tree and Grape Pruning, Bell County 10:00 AM. Contact same as above.

Mar. 11 - Apple Pruning, Grafting, Insect and Disease Control, Wolfe County, Campton, KY., 1:00 PM. Contact Ted Johnson 606/668-3712.

Mar. 14-16 - 1999 Southeastern Pecan Growers Annual Convention, Grove Park Inn, Asheville, NC.

Contact Mike Parker 919/515-1198.

Mar. 16 - Commercial Apple IPM Meeting, Kingswood Orchard, Jim Spencer, Harned, KY. See information below.

Mar. 20 - KVS Grape Pruning, Chrisman Vineyard, Chris Nelson, Jessamine County, 1:00 PM, Nicholasville, KY Contact Chris Nelson 606/426-5972.

Mar. 20 - Alternative Agricultural Workshop, Large and Small Fruit Production, McCreary County, Whitley City, KY. Contact Greg Whitis 606/376-2524.

Jan. 3-4, 2000 - KSHS/KVGA Annual Meeting and Trade Show, Holiday Inn North, Lexington, KY

Apple IPM Meetings Scheduled for 1999

Tuesday, March 16, 1999

Kingswood Orchard, Jim Spencer, Harned, KY

Directions: 9 miles east of Hardinsburg at junction of US 60 and KY 86

Contact Carol Hinton, Breckinridge County Extension Agent for Agriculture, 502/756-2182

Wednesday, April 21, 1999

Glyncon Garrett, Monticello, KY

Directions: From the north or east: Drive to Somerset and take Highway 27 south about 8 miles to Highway 90 in Burnside. Turn right on Highway 90 and cross the Cumberland river bridge in the direction of Monticello. Go about 12.5 miles to Highway 3106 (Cooley Lane) and turn right. Go one mile to Highway 1275 and turn left. After a few hundred yards, the Garrett fruit orchard will be visible on the right.

From the West: Drive to Glasgow and take Highway 90 east to Monticello (about 65 miles). Continue on Highway 90 about 5 miles beyond Monticello to Highway 3106 (Cooley Lane) and turn left. Continue as above.

Contact Glen Roberts, Wayne County Extension Agent for Agriculture, 606/348-8453.

Thursday, June 17, 1999

Kevan Evans' Orchard, Georgetown, KY

Directions: From Lexington take Newtown Pike (Rt. 922) north 8 miles from I-75/I-64. Turn right on Stone Road at the Evans Orchard sign. The orchard entrance is roughly one block on the left.

I-75 from the south take Georgetown exit 125 and exit to the right onto Rt. 460. Travel roughly 3 miles east on 460 and turn right onto Rt. 922. Proceed 0.8 miles to Stone Rd. and turn left at the Evans Orchard sign. After roughly one block, turn left at Kevan's house to get to the orchard.

I-75 from the north take Georgetown exit 126 and turn

right after exiting. Follow signs to Rt. 460 through an area of fast food restaurants. Turn left on to Rt. 460 at the light (don't get on the bypass) and travel about 3 miles east. Turn right onto Rt. 922. Proceed 0.8 miles to Stone Rd. and turn left at the Evans Orchard sign. After roughly one block, turn left at Kevan's house to get to the orchard.

Contact Mark Reese, Scott County Extension agent for Agriculture, 502/863-0984.

These meetings are working meetings including a roundtable discussion lead by a grower, technical information and in-orchard practice of IPM techniques led by UK personnel. For those who make a reservation, lunch will be available at the orchard in the \$6.00 range. To make reservations, call Mary Ann Kelley, UK Research & Education Center, 502/365-7541, ext. 216.

If you have questions, you may call any of the following:

Ric Bessin, 606/257-7456

Jerry Brown, 502/365-7541, ext. 204

John Hartman, 606/257-5779

John Strang, 606/257-5685

Evaluation of Fungicides for Control of Peach Scab

Purpose: To determine how effective the fungicides registered by the EPA on peaches will control peach scab.

Location: Perkins Fruit Farm, Perkins, OK

Variety: Red Haven

Planting Date: 1990

Harvest Date: July 20, 1998

Application Dates:

Cover Sprays - April 14, 28, May 11

Pre-Harvest Sprays - May 30, June 7, June

23 Petal Fall - 1-Apr

Shuck Split - 14-Apr

Cover Sprays - 1-May, 15-May

Pre-Harvest Sprays - 29-May, 15 Jun, 26-Jun,

10-Jul

Target organisms: *Cladosporium carpophilum* - Scab

Plot Design: Plots consisted of 4 single tree replications and were arranged in a randomized complete block design. There were 108 trees per acre. All data were analyzed using analysis of variance (ANOVA) and mean differences determined by Least Significant Difference (LSD).

Cultural Practices:

Fungicide: Kocide 2000

Insecticide: Asana EC 1-Apr, 14-Apr, 1-May, 15-May, and 29-May

Method of Application: Fungicides were applied with a CO₂ wheelbarrow plot sprayer equipped with a hand wand at 40 psi in 50 gallons per acre.

Disease Assessment: A random sample consisting of 20 peaches from each tree was weighed and then percent scab severity was determined from each individual fruit based upon a visual rating with 0 = no scab; 1 = 1% or less scab; 5 = 2-5% scab; 15 = 6-15% scab; 25 = 16-25% scab; and 50 = any peach with 26% or more scab symptoms. The incidence of scab was determined by determining the percent of the fruit from each tree with scab symptoms based upon the scale where 0 = no scab observed and 10 = all peaches on that tree showing symptoms of scab.

Method of Harvest: Twenty peaches were picked randomly from each tree and weighed to determine weight per sample. (Adapted from Ken Jackson's article in the Oklahoma Fruit Growers' Association Fruit Review)

New Publications

ID-92 Commercial Tree Fruit Spray Guide 1999

ID-94 Kentucky Commercial Small Fruit and Grape Spray Guide 1999

PR-410 Fruit and Vegetable Crop Research Report 1998 This research report is also available on the web

at:<http://webdocs.ca.uky.edu/agc/pubs/pr410/pr410.pdf>

These publications have recently been printed and will be available in a month or so through local county extension offices.

Fungicide and Rate Formulation/Acre	Time of Application	Growth Stage	Scab Rating		Weight 20 Peaches (lbs)
			13-Jul ¹	20-Jul ²	
Untreated Control			9.0 a ³	34.5 a	2.45 b
Captan 50W 8 lb	1-Apr	Petal Fall			
Captan 50W 8 lb	14-Apr	Shuck Split			
Abound 2.1F 6.2 fl oz	1-May,15-May	Cover Spray			
Nova 50W 4 oz ⁴	29-May,15-Jun, 26-Jun,10-Jul	Pre-Harvest	3.0 b	10.4 b	3.03 a
Bravo WS 4 pt	1-Apr	Petal Fall			
Bravo WS 4 pt	14-Apr	Shuck Split			
Micro Sul 15 lb	1-May,15-May	Cover Spray			
Nova 50W 4 oz ⁴	29-May,15-Jun, 26-Jun,10-Jul	Pre-Harvest	2.3 bc	2.7 c	3.05 a
Abound 2.1 F 6.2 fl oz	1-Apr	Petal Fall			
Abound 2.1 F 6.2 fl oz	14-Apr	Shuck Split			
Micro Sul 15 lb	1-May,15-May	Cover Spray			
Micro Sul 15 lb	29-May,15-Jun, 26-Jun,10-Jul	Pre-Harvest	1.5 cd	4.1 c	3.05 a
Orbit 3.6 EC 4 fl oz					
Bravo WS 4 pt	1-Apr	Petal Fall			
Bravo WS 4 pt	14-Apr	Shuck Split			
Micro Sul 15 lb	1-May,15-May	Cover Spray			
Micro Sul 15 lb	29-May	Pre-Harvest			
Orbit 3.6 EC 4 fl oz	15-Jun,26-Jun 10-July	Pre-Harvest	1.0 d	1.8 c	3.53 a
Indar 75W 2 oz ⁴	1-Apr	Petal Fall			
Indar 75W 2 oz ⁴	14-Apr	Shuck Split			
Captan 50W 8 lb	1-May,15-May	Cover Spray			
Indar 75W 2 oz ⁴	29-May,15-Jun, 26-Jun,10-Jul	Pre-Harvest	1.5 cd	2.6 c	3.43 a

¹Percent incidence of scab was determined by the scale where 0=no scab observed and 10=100% of the fruit on that tree had symptoms of scab.

²The percent severity of scab was determined from a sub-sample of 20 peach fruits from each tree based upon a visual rating with 0=no scab; 1=1% or less scab; 5=2-5% scab; 15=6-15% scab; 25=16-25% scab; and 50=any peach with 26% or more scab symptoms.

³Means followed by the same letter(s) within a column are not significantly different at P=0.05 according to Duncan's Multiple Range Test.

⁴The spray adjuvant, CS-7, was added at a rate of 0.125% v/v to the Nova, Elite, and Indar spray mixtures.

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Kentucky Pawpaw and Grape Web Sites

Kentucky State University has a new web site on pawpaws <http://www.pawpaw.kysu.edu>. Information on cultivars, fruit descriptions, nursery sources, production and nutrition information, links to other pawpaw web sites and more are posted. KSU is now the site for the USDA National Clonal Germplasm Repository for pawpaws under Kirk Pomper's direction (phone 502/564-5869).

Murray State University has a new web site on the Kentucky Vineyard Assistance Program at: <http://campus.murraystate.edu/staff/giac/vineyard.htm>. This site contains an on-line application for the 50/50 cost share program that is intended to provide incentives for growers with agricultural experience to devote new acreage to the production of table and/or processing grapes. The program is sponsored by the Kentucky Department of Agriculture, the Grape Industry Advisory Committee, and Murray State University. This site is still under construction, but will contain cultivar and site recommendations, marketing suggestions, instructions on the application process and the program application. The contact for this program is Garth Vinson, viticulturist at Murray State University, phone 502/762-4329.

Fruit Facts Mailing List Moved and Receiving Fruit Facts Electronically on the Internet

Fruit Facts is available on the web in the pdf format. To get notification of the monthly Fruit Facts posting automatically and approximately two weeks earlier than it would normally be received via mail, you can subscribe to the UK College of Agriculture's Majordomo list processor. The old "fruitfacts" mailing list was moved in December from our Almanac server to a new list processor, Majordomo. The e-mail address remains the same, "fruitfacts@ca.uky.edu".

If you are currently receiving notification of the Fruit Facts posting via e-mail it is NOT necessary for you to re-subscribe to the new list; your subscription has been moved for you. However, new subscribers will need to use a new address, and, if you wish to unsubscribe yourself, you will need to use the new address.

New subscription requests and requests to unsubscribe should be addressed in the following way:

The address of the new server (instead of `almanac@ca.uky.edu`) is `majordomo194@ca.uky.edu`. Type this address in the To: line of your e-mail message. Please enter a subject in the Subject: line - the system needs for the Subject line not to be empty (blank). In the message body, enter the following two lines (nothing more!):

```
subscribe fruitfacts
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```

Or, to unsubscribe, the lines:

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You should receive confirmation by return e-mail. If you have a problem, or if you wish to communicate with a person about "fruitfacts", the owner's address (the To: line of the message) is:

owner-fruitfacts@ca.uky.edu

John Strang, Extension Horticulturist