

AGRICULTURE & NATURAL RESOURCES



University of Kentucky
College of Agriculture,
Food and Environment
Cooperative Extension Service

Cooperative Extension Service

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March 2018

PRODUCE BEST PRACTICES TRAINING



March 30, 2018

10:00 am CT

Adair County Extension Office

A new training called Produce Best Practices Training (PBPT) will now replace Vegetable GAP training. The new PBPT meets the new guidelines of the food modernization act and is necessary for farmer's market vendors to participate in food sampling at the Farmer's Markets. All previous GAP training certificates will expire in 2020 and all past GAP certificate holders will have to complete the new PBPT to receive sampling certificates. Local Farmers Market vendors wishing to get an early start in getting trained for PBPT are invited to attend a PBPT training on Friday – March 30th at 10:00 am CT at the Adair County Cooperative Extension Service.

ADAIR COUNTY

FARMER'S MARKET

ORGANIZATIONAL MEETING

The Adair County Farmer's Market will be meeting to organize for the 2018 season on Thursday – March 22nd at 10:00 am at the Adair County Extension Office. This market is held in the parking lot of the Extension Office located at 409 Fairground Street in Columbia. Anyone interested in setting up as a vendor in 2018 should make plans to attend.



For registration or information on any of the educational programs, call the Adair County Extension Office at 270-384-2317.

Nick Roy 
County Extension Agent
For Agriculture & Natural Resources

Cooperative Extension Service
Agriculture and Natural Resources
Family and Consumer Sciences
4-H Youth Development
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LEXINGTON, KY 40546



Disabilities
accommodated
with prior notification.



WOMEN IN AGRICULTURE CONFERENCE

March 27, 2018
5:30 pm Registration
6:00 pm Program

The Adair County Cooperative Extension Service will be collaborating with USDA to host a Women in Agriculture conference on Tuesday – March 27th at 5:30 pm at the Adair County Extension Office. The conference will highlight opportunities available via USDA programs through Farm Service Agency, farm loans, and Natural Resources Conservation services. Women of all ages, including children are invited to attend. A light complimentary meal will be provided with presentations starting at 6:00 pm. For more information or to register, contact the Adair County Extension Office at 270-384-2317.



Cattle Handling Field Day

April 6th
10:00 am
Adair County FFA Barn

A cattle handling workshop will be held on Friday – April 6th at 10:00 am at the Adair County FFA Barn. Join us for a live demonstration of several new products and methods on the market to improve the health of cattle. Topics will include:

- Single dose implanted pinkeye vaccines
- Long term deworming
- Fly control methods
- Weaning vaccination protocols for improved health and marketing
- Blood collection for various tests.

A sponsored meal will be provided by the Adair County Cattlemen’s Association. Please register by calling 270-384-2317.

REMINDER! FREE SOIL TESTING!

Thru April 15th

*Sponsored by
Adair County
Soil Conservation District*



How the free offer works:

- ▶ “Free” soil testing now thru April 15th.
- ▶ Limit of 6 samples per farm operation/landowner.
- ▶ Follow UK soil collection recommendations.
- ▶ Samples should be submitted at the Adair County Extension Office at 409 Fairground Street in Columbia.
- ▶ Soil probes may be borrowed from the Extension Office for a 2-day period.

For more information, stop by the Extension Office and ask for the Publication *AGR-16 Taking Soil Test Samples*.

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Introducing

The University of Kentucky Vegetable IPM Hotline

Free Call for Vegetable Producers

Crop Information - Chemical Updates
Seasonal Pest Alerts - Weather
General Production Tips

New Message Every Tuesday
Begins March 20, 2018

FREE
CALL



888-4 VEG IPM

(888-483-4476)



Asian Asparagus Salad

1 pound fresh
asparagus

1½ tablespoons low
sodium soy sauce

2 teaspoons sugar or
artificial sweetener

1 tablespoon olive
oil

2 teaspoons sesame
seeds

- 1. Snap** off and discard the root ends of the asparagus.
- 2. Wash** remaining stalks thoroughly.
- 3. Slice** stalks into 1½ inch lengths on the diagonal.
- 4. Blanch** asparagus for 1-3 minutes in boiling water, until bright green in color.
- 5. Cool** immediately

under cold water and drain.

- 6. Combine** soy sauce, sugar, olive oil, and sesame seeds in a small glass bowl. **Mix** dressing until sugar is dissolved.
- 7. In** a gallon zip-seal bag, add asparagus and dressing. **Turn** bag to coat asparagus with

dressing and chill in the refrigerator for 15 minutes. **Turn** bag again and chill for an additional 15 minutes before serving.

Yield: 4, ½ cup servings.

Nutrition Analysis: 70 calories, 4.5 g fat, .5 g sat. fat, 0 mg cholesterol, 250 mg sodium, 7 g carbohydrate, 2 g fiber, 3 g protein.

Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers' market, or roadside stand.



On-farm Water Crossings

By Carmen Agouridis, Ph.D., P.E., M.P.P.
Associate Extension Professor
Bioenvironmental Engineering

February has been a wet month with precipitation levels 5-6 inches above normal. Spring rains on the horizon mean that water levels are likely to flow high once again. For agricultural producers, the wet weather brings many challenges related to managing excess water. One challenge is how to best gain animal and vehicular access across streams on your operation. Two options are stream crossings and culverts. These water crossings are commonly used because of their effectiveness, lower costs, and general ease of installation.

Stream crossings

University of Kentucky Cooperative Extension
Publication AEN-101 Stream Crossings for Cattle

provides details on how to construct and maintain a stream crossing. When planning a stream crossing important items to consider are location, width, entrance and exit approaches, side slopes, time of year, and permits. Locate stream crossings in straight reaches; avoid bends in stream as these areas tend to experience more streambank erosion. For stream crossings used by vehicles and livestock, consider widths of 10 ft or more. The entrance and exit approaches should have a grade no steeper than 5:1 (horizontal to vertical) with side slopes of 3:1 or less.

To construct a stream crossing, prepare the site by removing rocks and debris from the entrance and exit approaches. Grade the area and remove excess material out of the floodplain. After grading, install a layer of non-woven, needle-punched geotextile fabric. Use anchoring pins to ensure the geotextile does not move. Place a 6-inch layer of large aggregate, such as No. 2, overtop the geotextile fabric followed by a 4-inch layer of dense grade aggregate. As far as maintenance, inspect the crossing after large storm events to ensure the rock layers have not eroded.



Culverts

Culverts are fully enclosed structures, such as pipes, that run underneath roads,

embankments and the like. Culverts are sized for a minimum storm event; for private lands, this is often a 10-year 24-hour storm event. Determining an appropriate culvert size requires consideration of many factors such as whether or not the culvert is inlet or outlet controlled; characteristics of the pipe such as roughness (what material is it made of), diameter, slope, length, and inlet configuration; characteristics of the watershed (how much runoff does the design storm produce and how large is the peak flow); and depth of water at the entrance and exit of the culvert (headwater and tailwater, respectively). Inlet control refers to a condition when the culvert is partially full and water is turbulent, often this is with steeper slopes. Outlet flow occurs when the culvert is full or partially full and the flow is tranquil.



Photos courtesy Carmen Agouridis.

More resources

Presently, a University of Kentucky Cooperative Extension Publication for culverts is under development. The publication will guide operators through the process of sizing, installing, and maintaining a culvert at their operation.

Additionally, the BAE Ag Engineering Showcase on March 23 will feature a session devoted to on-farm water crossings. Register in KERS for this five-credit in-service training.

Carmen Agouridis, Ph.D., P.E., M.P.P., is an Associate Extension Professor in Bioenvironmental Engineering.



Opportunities for Women in Agriculture

WHEN: Tuesday, March 27, 2018

5:30 pm —Registration & Food

6:00 pm—Speakers & Informational Meeting

WHERE: Adair County UK Extension Office

WHO: Females of all ages who are involved in farming of any kind or want to be involved

JOIN US FOR AN EVENING CELEBRATING ALL THAT WOMEN HAVE TO OFFER IN OUR FARMING COMMUNITY!

Numerous speakers will be presenting information about opportunities within various agencies to assist farmers, especially female producers.

A light meal will be served, beginning at 5:30 pm
All ages are welcome!



**Please call the Extension Office
if you plan to attend.
Call (270) 384-2317**



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