

# To Cover Up Or Make New

(Continued from Page B2)



Duplicate designer clothes which cost a fortune. This waterfall design was created by placing fabric on hoop, laying ravelings on top, and moving the fabric up and down while machine stitching with different shades of thread.

## If Weather Cools, Fall Foliage Will Have Superb Colors

**LOU ANN GOOD**  
*Lancaster Farming Staff*  
UNIVERSITY PARK (Centre Co.) — If temperatures cool over the next four weeks and combine with a mild drought, fall foliage watchers in Pennsylvania should have a superior display of color this year, says an expert in Penn State's College of Agricultural Sciences.

"It's been a wet and somewhat cool summer, so most of the trees have been under no stress and have had a vigorous growing season, which sets the stage for colorful fall foliage," says Marc Abrams, professor of forest ecology and physiology.

"However, the weather in the next four weeks is critical," Abrams says. "We have to have cool temperatures falling into the 30s and 40s at night, as well as bright sunny days with no rain. A short, mild drought, in other words.

"If the warm, wet weather persists, the growing season is extended and the leaves will remain green much longer," Abrams explains. "An extended growing season means we may see less impressive colors, with different trees changing at different times."

For 14 years, Abrams has studied how seasonal precipitation and temperature influence timing and intensity of fall colors in central Pennsylvania. "We believe that clear, bright days, low — but not freezing — temperatures and dry conditions promote the best fall colors," he says.

Cooler temperatures signal deciduous trees to stop producing chlorophyll, the green pigment responsible for photosynthesis, he explains. The chlorophyll breaks down and disappears, unmasking other

leaf pigments. It's these other pigments — called xanthophylls and carotenes — that create the glowing yellows and oranges seen in the leaves of yellow poplar, hickory, sycamore, honey locust, birch, beech and certain maples.

After chlorophyll production stops, trees also produce another pigment in their leaves called anthocyanin, Abrams explains. The anthocyanins create the brilliant reds and purples seen in maple, sassafras, sumac, black gum and purple oak.

The amount of anthocyanin produced each year is related to starch levels in the tree. Trees often produce less starch during droughts.

All predictions aside, Abrams says not to worry. "We almost always have good color in this region in the fall," he says. "All systems are go if the weather cooperates."

## Hormones And Hunters Put More Deer On Highways

UNIVERSITY PARK (Centre Co.) — Motorists should be particularly wary of deer on the highways during the breeding and hunting seasons, says a wildlife biologist in Penn State's College of Agricultural Sciences.

"Bucks seem to lose their caution when breeding and run across roads without even thinking about traffic," says Gary San Julian, professor of wildlife resources. "Also, does being chased

by bucks often don't heed roads. Then, on November 27, nearly a million gun hunters will enter the woods and stir deer up even more."

Breeding season for white-tailed deer ranges from October to December but peaks in November, San Julian explains. "Each year, PennDOT and individual contractors pick up more than 40,000 deer from the state's highways," he says. "Probably

Group averaged 34 deer claims daily, San Julian says. On the first day of the buck and doe seasons, the number of calls increased to 157 and 160, respectively.

Each accident costs the driver an average of \$2,000. It's also very easy to get hurt when you're driving 60 miles per hour and a 150-pound deer comes flying through your windshield.

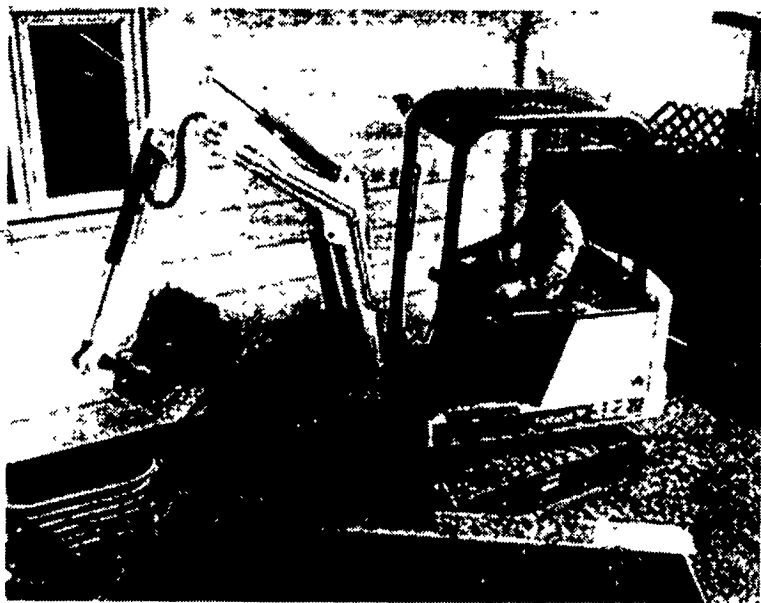
Drivers should be especially vigilant in areas where they've seen deer in the past. High beams will help you see their eyes shine. Remember, if you see one deer, often more will be following behind."

If you hit a deer, San Julian recommends that you stop to see if the deer is still alive, and if so, try to contact a wildlife enforcement officer or the state police.

In Pennsylvania, residents can pick up road-killed deer, but they must apply to the Game Commission within 24 hours for a free permit to keep deer carcasses. Call the Game Commission's regional office for an application.

another 40,000 get hit and go off into the woods to die. It is estimated that deer-vehicle collisions cost insurance companies and motorists more than \$130 million each year in Pennsylvania."

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