

Azalea Horse Show

WILMINGTON, N. C. - The annual Azalea Festival Horse Show held in connection with the North Carolina Azalea Festival at Wilmington, will be expanded this year to include two days of activities.

April 6-9, with the Horse Show scheduled for April 8 and 9. This year's show will include a series of Western timed events on the Saturday program, and the Sunday show will present entries in 23 classes.

Both days of the horse show will be at Wilmington's Legion stadium, and will be free to the public. William H. Sutton of Wilmington, chairman of the Festival Horse Show division, said expenses for the two-day event were derived from entry fees by owners and sponsors.

This will be the first time the show has been extended to include an extra day, and Sutton forecasts a record number of entries. He said several hundred horses from North and South Carolina, and a number from Virginia, would be entered.

He said the Azalea Festival horse show is the only free horse show in the nation.

Judge of the Western events will be J. A. (Andy) Barker of Love Valley; saddle and walking, Everett Majors, Spencer, Va.; hunter and jumper, Richard Atkinson, Greensboro; ringmaster, William Brinn, Sanford; master of ceremonies, Louis K. Day, Rocky Mount. There will be five awards in each class.

Western timed events - pole bending (15 years and under); \$50 pole bending open; barrel race (15 years and under); \$30 barrel race men; \$30 barrel race ladies; barrel crawl open timed event; key hole race, open; \$40 western pick up, open; pony express open; apple race, open; fastest horse around open ring and boot race open.

Sunday list of classes - Registered quarter horses in hand, stallions, geldings, and mares; registered Appaloosas in hand; registered Arabians and half-Arabians; champion in hand; parade horse; working pony hunters; working pony hunters; two-year-old walking horses; junior working hunters; \$50 junior walking horse; hunt

seat equitation; \$100 open walk-trot.

Western pleasure ponies, English pleasure ponies; open jumping knock down and out; \$50 stock horse; amateur walking horse; first year green hunters; \$100 open five gaited;

hunter rack; stock seat equitation; \$100 working hunter stake, and Western pleasure horses. This year's show will include eight challenge trophies.

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Ammonia Causes Poultry Problems

One of the big problems the North Carolina poultry producer faces during cool weather is whether to open the curtains to his poultry house to let ammonia fumes escape or leave the curtains closed to preserve the heat.

Ammonia fumes can create problems during cold weather in poorly ventilated houses, according to Tom Morris, extension poultry specialist at North Carolina State University.

Some of these problems are lower egg quality, respiratory infections, eye inflammation, less weight gains in broilers and pullets reduced egg production and stress among birds.

"Many producers feel that when the ammonia concentration increases to the point that it can be detected by smell or by the 'burn' of their eyes, it is also stressing the chickens," the specialist remarks.

However, research indicates that ammonia has its effects even before it is detected by these methods, he adds. "Levels of 15 parts per million of ammonia must be present before it can be detected by smell, and concentrations of 25 to 35 parts per million are necessary to make the eyes burn."

Ammonia presents a bigger problem for today's grower than

it did several years ago. Modern houses are constructed tighter with more insulation than older buildings. The problem is further complicated due to cold or cool, damp weather.

Morris cites a study conducted at Purdue University that shows a low level of 5 per cent ammonia fumes lowered the interior egg quality about 10 Hach Units in 24 hours. "This points out the need to gather eggs more often," he says.

The specialist says hydrated lime and superphosphate can be used to reduce ammonia odors in the poultry house. "Lime is more effective as a deodorizer, but superphosphate is more effective in preventing nitrogen losses."

One hundred to 200 pounds of hydrated lime or superphosphate should be applied to each ton of poultry manure. One to two pounds per 100 hens or about 15 pounds per 1,000 hens should be applied daily over droppings under roost pits, cages or slats.

For litter in floor houses, about two to four pounds per 100 hens should be applied each week to keep down odors and to help keep the litter drier.

"Never apply hydrated lime to wet litter or liquid droppings under cages," Morris warns.

New Tobacco Carries Disease Resistance

A tobacco breeding line with resistance to six major plant diseases has been released by the Agricultural Experiment Station at North Carolina State University and the Agricultural Research Service of the U. S. Department of Agriculture.

Dr. Roy L. Lovvorn, N. C. State director of agricultural research, and Dr. H. R. Thomas, ARS director of crops research, said NC 2514 is being made available to commercial breeders for use in their variety development programs.

"We believe this new line will provide an excellent source of resistance to some of the most destructive and costly diseases of flue-cured tobacco," Dr. Lovvorn said.

NC 2514 incorporates resistance to black shank, Granville wilt, fusarium wilt, root knot and black root rot. It also possesses tolerance to brown spot.

The new line resulted from a cross that involved a breeding line carrying root knot resistance and the varieties Hicks Broadleaf and NC 75.

Plants of the new line grow vigorously and develop extensive root systems. The line is relatively high yielding and produces cured leaf that is

heavier than that normally desired in flue-cured varieties.

NC 2514 has good handling characteristics, is relatively easy to cure, and withstands adverse weather well.

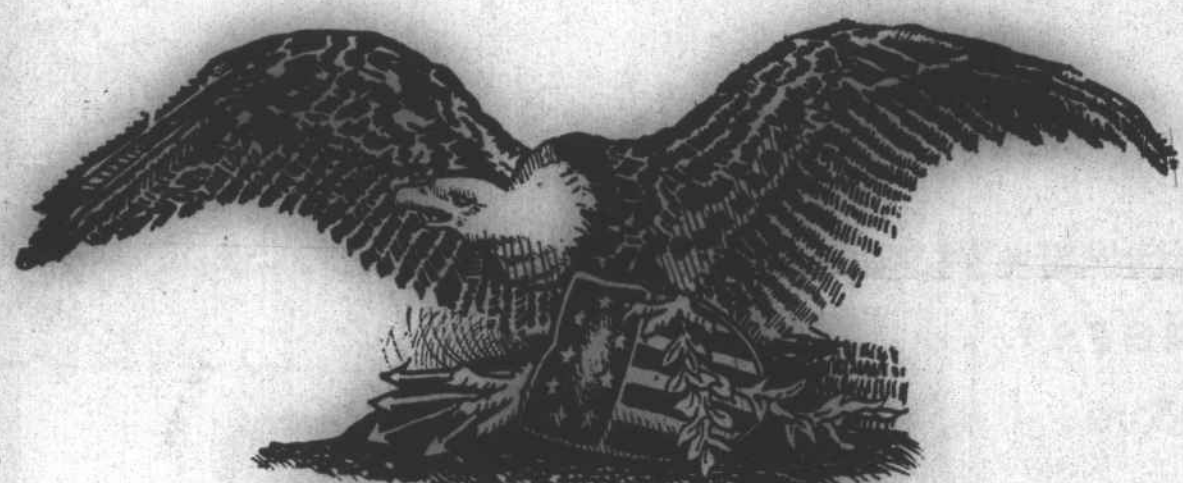


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