## ry spring helps plants establish

By MARTHA BLUM AgriNews Publications

should be careful about using the 2012 crop year. the lessons they learn during SHABBONA, Ill. — Farmers

er that we don't normally face." cialist. "Because we hope the apply next year since we are we want to do," said Emerson year to choose hybrids, vafacing a challenge from weathlessons from this year won't Nafziger, University of Illinois rieties or what management Extension crop production spe-"This is not going to be the

seven or eight years. Nafziger, speaking during Agronomy Day at the U of I been ongoing at the center for planting date study which has Research Center, discussed the Northern Illinois Agronomy

represented by different plantcomes under different stresses what we can expect as corn es us a lot about corn and how ing dates he said. "It also demonstrates it responds to management," "We do this because it teach-

trial was planted on March 29, April 19, May 9 and May 29. At the center, corn for the

soils we have and the way we manage them," the U of I spe-cialist said. "We were able to "The crop we have growing out here is a testament to the we planted in good soil condiget the crop planted early, and

advantages, Nafziger noted. A dry spring does have some

system," he said. and it has an outstanding root the crop has almost no diseases "There is no loss of nitrogen,

However, due to the dr-ought, the deterioration of the crop rating has been straight mois. "The beginning of the end



AgriNews photo/ Martha Blum

portion of the U.S. bean research trials, as well as the drought that has affected a large Center. During Agronomy Day, Nafziger discussed corn and soydate study at the U of I Northern Illinois Agronomy Research specialist, shows one of the corn plants that came from the planting Emerson Nafziger, University of Illinois Extension crop production

down since June 1, Nafziger

on average than northern Ill-Illinois," he reported. "Central and southern Illinois are worse cause that is true over most of your crop is under stress be-"You're in good company if

conditions continue. eye on the crop color as the dry Producers should keep

specialist said.

difference in yields.

make a bunch of yield when it doesn't photosynthesize," the

"We cannot expect a crop to

for either corn or soybeans is when we start to lose leaf co-lor," Nafziger explained. "Plant tered the plant has been, but leaf color tells you what the potential will be. height will tell how well wa-

photosynthesize.

A crop has to use water to

much the end." top of the plant. That's pretty he said. "It was worst in southcorn is the tassels get out, shed enough water to push it out the appeared because there wasn't ern Illinois as the tassel never out — that's severe drought," on silk because it doesn't come their pollen and it never falls "The doomsday scenario for

or silks. Illinois didn't put out a tassel the corn plant in north-central In 2005, Nafziger recalled,

suspend growth for a little while and when it rains come little yield," he said. "Corn under certain conditions can tasseled, silked and produced a "When it rained, the plants

pretty tough to kill in these soils," he reported. "I expect long as the canopy stays there." we're going to have a crop as roots down in the water, it's because once a crop gets its vantage for soybeans, as well, "The dry spring was an ad-

doesn't end early for soybeans. The good news is the game

the end of July and soybeans come back to life," the specialdecent yields." ist said. "They add more flowers, pods, and we can still have "We could have rainfall at

plots. Illinois Soybean Association bean Yield Challenge project producers to plant two, 10-acre initiated the project and asked from the past two years. Nafziger discussed the soy-The

ment to a plot that had addpare their standard manageitional inputs and evaluate the The challenge was to com-

1.7 bushel gain and in 2011 the were from 60 to 70 comparisons, and for the north part of use of fungicide plus insect-icide," Nafziger said. "There on the challenge plots were the and the most common things the same variety on both plots, bushels per acre. gain in the north was 2.9 the state in 2010, there was a "We required them to use

early-June at seven sites. beans starting in mid-April uated planting dates for soy-The university also has evalto

early-May, the yields didn't change much," Nafziger report-ed. "Yields started to decline plantings from mid-April to yield levels, with the earliest with plantings during May." "At about the 75-bushel

to wait to plant soybeans. good yield levels, it doesn't pay Therefore, he said, under

it's still fit, keep going and plant your soybeans," he ad-vised. "I don't think there's a ing the last 10 days of April." danger to plant soybeans dur-"Plant your corn first, and if

a wide variety of products were in 2010 and 2011 at the center, applied to soybeans. In a research trial conducted

used 40-some products and treatments," Nafziger explain-"We tried everything, we

secticides and growth regulatreatments, nitrogen, potash, micronutrients, fungicides, in-The trial evaluated seed

the yields very much," Nafziger said. "I think a lot of these are one that gave a 4-percent yield increase. Nothing else changed comfort applications." "The fungicide was the only