

Kuhn Inspires PennAg

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with talents by determination to excell. But he said that now, while the sports writers will do what they will, he could not see how Rose could be elected to the baseball hall of fame especially with the Giamatti situation hanging over his head.

Earlier in the day, Dr. Robert Patton from Monsanto Ag Products division discussed the issue of bovine somatotrophin (BST) in relation to animal nutrition and the future of this product of biotechnology. Patton said we haven't done anything to the cow, only to the bacteria that produce BST. "BST is 100 percent just like you find it in the cow," Patton said. "Nothing has changed. If we inject BST, the cow keeps her peak pro-

duction longer, but when the production curve comes down, it does so in just the same way as a cow without BST would do. The cow regulates her metabolism just like she has always done.

"You hear that you get 20 to 40 percent more milk," Patton said. "That's true depending on the level of production. You get 10 to 12 pounds of increase regardless of what the cow is producing. So, if like the Russians, your cows only give 20 pounds of milk, you are happy to get a 50 percent increase. But a 100 pound cow will get a 10 pound increase too. It's not a percent increase but a pound increase."

Patton said that you get a larger response in mid-lactation and first calf heifers do not respond as well



Patrick Boova

as older cows because they use some of it for growth just like heifers have always done. BST increases blood flow to the mammary gland and increases fat mobilization off the cows back and puts it into the blood stream. So, when you get more nutrients to the mammary system, you get more milk. But BST has no direct effect on the mammary gland.



Joseph Calhoun

"Cows don't get thin on BST," Patton said. "They just eat more. This means that you can still use the old feeding table requirements. In addition, BST cannot hurt humans. If you accidentally inject yourself with it, nothing will happen to you.

"We need to explain to consumers that milk normally contains BST, and it always has contained it. In England where the BST controversy received big play, even in the soap operas, milk consumption increased, Patton said. "We must tell people that they enjoy the cheapest source of food in the world, and we are not out to poison them. We need to say there is nothing wrong with the intelligent use of pesticides, nothing wrong



Dr. Samuel Hays



Dr. Robert Patton

with drugs and hormones if used correctly."

Dr. Samuel Hays, department of history, University of Pittsburgh, (Turn to Page A44)



Hal Price (left) receives a public thank you from President Drelbelbis for Texasgulf's long-time support of the convention speaker's fund.

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