NPWMS 1988

Welcome

National Poultry Waste Management Symposium
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Ohio State University

On behalf of the U.S.D.A.'s Cooperative Extension Service, the Ohio Cooperative Extension Service, many of the Poultry Extension specialists from around the nation, and the Department of Poultry Science here at the Ohio State University, it gives me a great deal of pleasure to WELCOME you to this NATIONAL SYMPOSIUM ON POULTRY WASTE MANAGEMENT. The symposium that you are about to participate in is the culmination of a great deal of effort by a large number of people from around this great nation of ours. The seed that eventually sprouted this effort was planted many months ago by Dr. Rich Reynnells during conversations with a number of researchers and poultry extension specialists from around the country who have been watching the fantastic expansion that has occurred in the size of the operations that we collectively refer to as the poultry industry. Those individuals indicated that although these large operations were certainly efficient, there was reason to be concerned about a number of potential problems associated with them and that the industry and university personnel should be jointly looking at solutions for such problems.

Potential problems that one might cite included such things as: 1) the inherent problems associated with the handling of the huge quantities of poultry manure and used litter produced by such operations; 2) problems associated with the control of flies and odors associated with the disposal of large amounts of poultry wastes; 3) problems related to the potential risks of stream and ground water pollution associated with such operations; 4) problems associated with the disposal of large numbers of dead birds, especially during periods of high heat stress or during the time of government-decreed depopulations from disease outbreaks; 5) problems associated with the humane disposal of cull chicks and poults and unwanted cockerels from egg-type hatcheries; 6) problems associated with the disposal of other hatchery wastes; 7) problems associated with the treatment and control of processing plant offal and waste waters, etc. Increasing concern related to these matters is clearly evident both from within the industry as well as from the private and public sectors; and unless the industry clearly demonstrates its willingness to address these problems, more and more regulatory legislation will undoubtedly be brought to bear on the industry in the future. It behooves all of us, therefore, who are intimately involved with this industry to continue to explore the best possible avenues towards the solution of these problems.

Obviously, a great deal of research has already been conducted on some of these potential problems, so it was thought by many of us that it was time to attempt to put together a conference where the leading researchers in each of these areas could summarize the state of the art as to where we are in having solutions to such potential problems, and possibly more importantly where we could have those researchers lead us in a discussion of where the industry should be going as we face these

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problems in the future. Dr. Reynnells' discussions eventually led to the formation of an ad hoc meeting of extension specialists which was held during the annual Poultry Science meetings in Corvalis, Oregon this past summer. That meeting in turn led to our department's agreeing to host this symposium, and to the formation of an ad hoc committee of about 50 individuals from all around the nation. Their input was discussed by the program committee via a conference telephone call to hammer out a tentative agenda for the symposium. Dr. Ed Naber, former chairman of the Department here at Ohio State headed up the program committee. He, the other members of the program committee, and our department Secretaries, Gayle Swinger and Anna Forman whom most of you met at the registration desk either yesterday or this morning, have done yeoman's work in carrying out all of the details required to get us here today. Without their efforts we simply wouldn't have been able to put this program together for you.

I would be remiss if I didn't also greet you on behalf of the Ohio State University. For those of you who haven't been here before, we welcome you and we hope that you enjoy your stay. If you aren't familiar with the Ohio State campus, the main campus is located directly across the street from the front of the Holiday Inn, and we hope that you feel free to take a walk over to see it. Ohio State is one of the largest university campuses in the nation, having some 57,000 students enrolled. The College of Agriculture, and the College of Veterinary Medicine are located a couple of blocks to the west of here just on the west side of the Olentangy River. The Department of Poultry Science is housed in Dakan Hall, which is located about 3 blocks west on Lane Avenue. We hope that some of you will have time to stop by and visit with us in the department. In case some of you aren't aware, about half of the faculty in the College of Agriculture, including about half of our Poultry Science Faculty, are located about 90 miles north of here at the Ohio Agricultural Research and Development Center at Wooster, Ohio. So, if you are interested in seeing Drs. Bacon, Foster, Lilburn, Nestor or Saif, it is more than a few blocks walk to where their offices and laboratories are located! Several of them will be here at various times during the meeting, however.

Getting down to the matter at hand, the program has been designed to cover a number of different topics, some general in nature, and some more specific. This morning's topics are the more general ones; this afternoon and tomorrow's topics will be given in break out sessions and will be directed at some of the specific problems associated with poultry production facilities and with poultry processing facilities. We certainly hope that all of you will find the program stimulating, informative and thought provoking; and that you will feel free to participate in the discussions that the formal sessions are bound to generate. The program committee and I hope that all of us leave this conference with better ideas as to how our industry can best face and implement strong programs related to the solution of these potential industry problems.

Before I turn the podium back to Dr. Reynnells, I would like to add that those of us involved with the administration of University programs have heard a great deal during the past six months to a year about a new Federal initiative generally referred to as low input or sustainable

result of intensive animal production and the related concentration of odors, dust, and other air contaminants. In addition, there is the potential for flies and other pests bothering neighbors. Part of the problem is the philosophical prejudice by many in rural and urban society against large, vertically integrated, and intensive farming operations. Speakers will discuss the legal and regulatory implications of air and water contamination.

Educational programs that help farmers fulfill their environmental stewardship responsibilities are the focus of several presentations. Speakers in the Processing Section also will underscore the importance of society's acceptance of agriculture as good neighbors. They will discuss bacterial contamination of the environment near agricultural facilities, and the impact of anti-microbials on waste water. New procedures and technologies that minimize pollution or water use, and turn waste into value added resources are important components of this section.

The Production Section also emphasizes the air quality aspects of poultry production and how these pollutants impact rural society. CAFO compliance and CNMP's comprise the afternoon schedule.

We hope you find the workshop productive and enjoyable. Please remember to fill out the evaluation and turn it in at the meeting or mail it according to the instructions. The organizing committee needs that information to improve the program each year.