2011 Projects

Quality Control Projects

Quality Control: Industry Measurement Services

The Value Added Agriculture Program has worked with ISU Grain Quality Lab to develop NIR calibrations for nutritional factors in corn, distillers grains, and soybean meal for industry users. As processing plants modify processes with microwave drying, fractionation, super-critical fluid oil extraction, etc., the resulting co-products will need to be characterized and routinely analyzed for nutrients. In 2010-2011, VAAP/IGQI will continue to offer analytical support services to grain related industries. The ability to rapidly measure nutrients in these feed ingredients gives producers and users a better understanding of the character and consistency of the materials, leading to more efficient uses and higher levels of trust in trade. Though much of the work is proprietary, the developmental aspect often contributes to data and publications that can be shared within the grain industry. The number of clients grew in 2010 to 9, with further growth expected in 2011.