



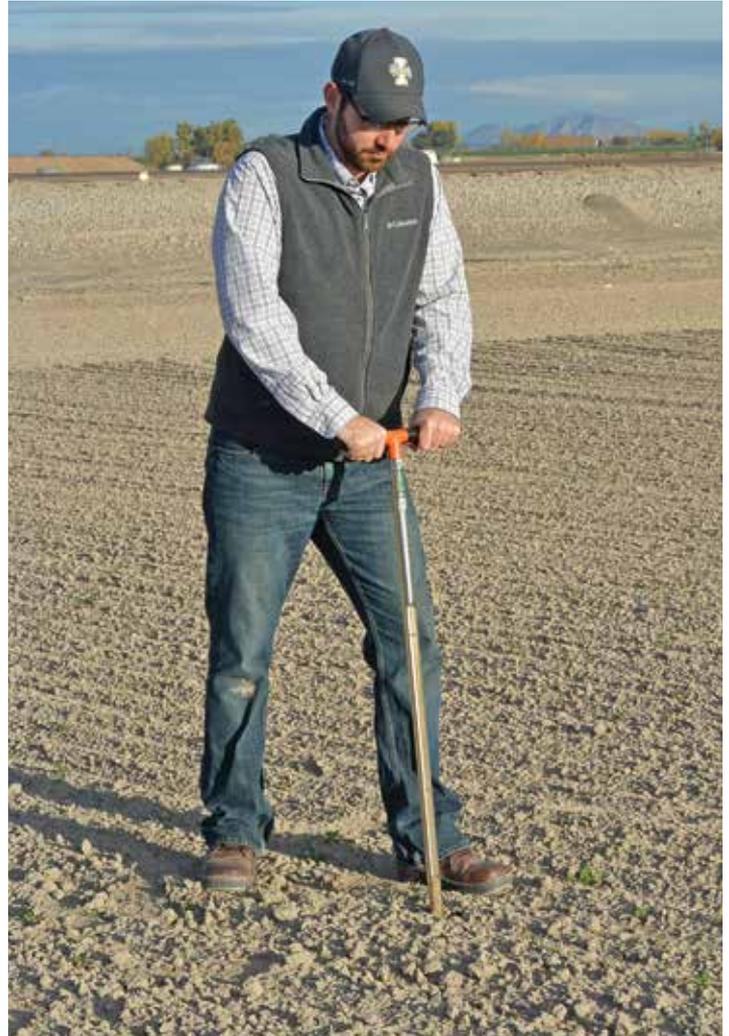
Idaho Barley Commission Update

Christopher Rogers Charts Course for new Barley Agronomy Research

Submitted by Dr. Christopher Rogers, Barley Research Agronomist, UI Aberdeen Research & Extension Center

BEGINNING as the Endowed Barley Agronomist during the 2014 growing season at the University of Idaho Aberdeen Research and Extension Center presented a unique and challenging experience due to the unprecedented weather conditions that arose as Idaho growers were working to harvest their grain. When I began this position in August, Idaho growers were reporting exceptional stands, and yield prospects looked extremely good; however, heavy monsoonal rains resulted in widespread crop damage in Idaho's major barley producing areas. In spite of this setback, the barley agronomy program has continued to move forward by working to establish a research and extension program focused on the needs of Idaho growers. I am particularly interested in **working to provide nutrient management strategies based on up-to-date research to provide maximum agronomic and economic returns to growers while minimizing environmental impacts.** Idaho growers are one of the most important stewards of our lands, and as such, they have a strong history of implementing best management practices on their farms and adapting to the ever changing demands of crop production. My program will encourage the adoption of **the 4R approach to nutrient stewardship: the right fertilizer source, at the right rate, at the right time, and in the right place.** By implementing farming practices to supply nutrients based on the 4Rs, we will help more properly supply the plants nutrient needs when the crop demand is there. To begin focusing on these strategies, initial research investigating application rates and timings for several varieties of winter barley have been established this year. My program is interested in evaluating current soil testing strategies to determine if improvements in soil testing can be accomplished to more properly determine fertilizer nitrogen rates for barley producers. I am also interested in the evaluation of enhanced efficiency fertilizer nitrogen sources, which can directly improve our ability to manage nutrients based on the 4Rs of nutrient stewardship. As I establish research trials, cooperation with Idaho growers will be important to provide sufficient sample diversity across a wide range of management, soil textures, and regions, and I hope to have the chance to work with you in the future.

As an agronomist, I am interested in the science of crop production, and the factors that influence production such as varietal selection, cropping system practices, soil and nutrient management and the management of weeds, diseases, and pests. However, to focus on all these areas, active collaboration will be required with University of Idaho College of Agricultural and Life Sciences faculty, as well as other university, government, and industry organizations. By teaming with other experts focused on all of these important aspects of successful barley production, the barley agronomy program will be able to address a wide range of issues that Idaho growers are presented with each year. In addition to my own field trials, I have begun working with the USDA ARS barley breeding program at Aberdeen to provide valuable input concerning fertilizer



Christopher Rogers

management strategies for new varieties. Collaborative efforts have been initiated to investigate aphid and wireworm populations in Idaho and determine strategies related to their management. I have also observed issues with nematodes with other faculty, and I have discussed future research interest investigating this issue. Finally, several of the growers I have spoken with utilize no-till farm management, or have expressed interest in this practice, and I hope to have the opportunity to work with you to provide management solutions to the unique issues that you face.

I believe the commitment of the University of Idaho and the Idaho Barley Commission to establishing the Endowed Barley Agronomist Professorship will result in long-term returns to Idaho barley growers. I look forward to the opportunity to meet and work with you and would encourage your participation in training focused on the Farm Bill during the 1st week of December and at the University of Idaho Cereal Schools in early February 2015. ■

Global Grain Market Outlook, November 2014

MY 2014/15 World Grain Supply & Demand

USDA, Nov. 10, 2014 (million metric tons, MMT)

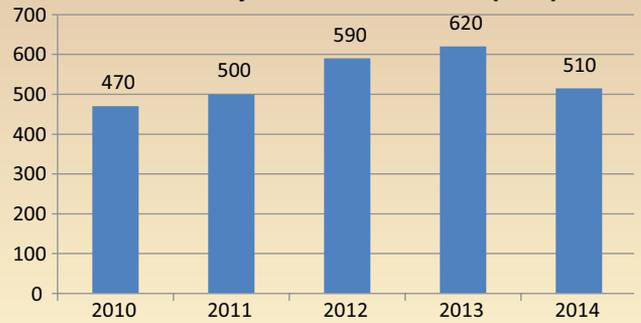
	BARLEY		CORN		WHEAT	
	2013-14	2014-15	2013-14	2014-15	2013-14	2014-15
Carryin	20.9	24.9	137.7	173	174.8	162.1
Production MMT	145.2	139.8	989.2	990.3	714.7	719.9
Total Supply	162.6	164.7	1,126.9	1,163.3	889.5	882.0
Export trade	23.4	22.2	129.6	115.0	162.1	155.2
Total Usage	141.2	139.8	953.9	971.8	703.7	712.7
Ending Stocks	24.9	24.8	173	191.5	185.7	192.9
Stocks / Use	18%	18%	18%	20%	26%	27%

MY 2013/14 U.S. Grain Supply & Demand

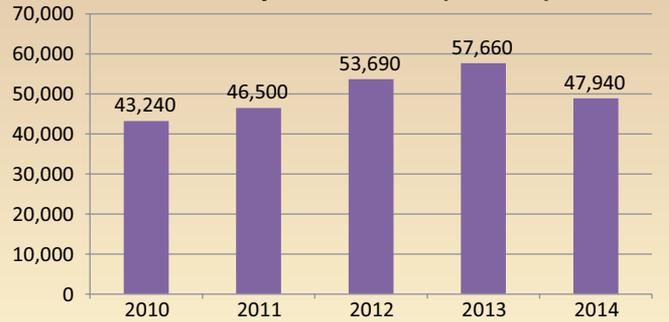
USDA, Nov. 10, 2014 (million bushels)

	BARLEY		CORN		WHEAT	
	2013-14	2014-15	2013-14	2014-15	2013-14	2013-15
Harvested Acres (mln)	3.0	2.4	87.7	83.1	45.3	46.4
Carryin	80	82	821	1,236	718	590
Production (mln bu)	217	177	13,925	14,407	2,135	2,026
Imports	19	35	36	25	169	170
Total Supply	316	294	14,782	15,668	3,021	2,785
Food, seed & industrial	155	154	6,497	6,535	1,028	1,036
Ethanol			5,134	5,150		
Feed	65	60	5,132	5,375	228	180
Exports	14	10	1,917	1,750	1,176	925
Total Usage	234	224	13,546	13,660	2,432	2,141
Ending Stocks	82	70	1,236	2,008	590	644
Stocks / Use	35%	31%	9%	15%	24%	30%

Idaho Barley Harvested Acres (000)



Idaho Barley Production (000 bu)



Idaho Yield Per Harvested Acre (bu/Ac)



US Barley Exports (000 bu)

