



## 2019-2020 GrainBridge Curriculum Overview

GrainBridge Module	Module Objectives
<b>1: Overview of Risk Management in Agriculture</b>	<ul style="list-style-type: none"><li>• Describe risks that exist in the agriculture industry</li><li>• Define risk-management and tools to manage risk</li><li>• Understand how to navigate the GrainBridge Risk Management Application</li></ul>
<b>2: Build a Production Profile</b>	<ul style="list-style-type: none"><li>• List a variety of crops and livestock grown in your region</li><li>• Explain management practices for crops and livestock</li><li>• Create a crop and/or livestock profile using the GrainBridge Risk Management Application</li></ul>
<b>3: Identify Per Unit Expenses</b>	<ul style="list-style-type: none"><li>• Identify per unit expenses associated with growing crops and livestock</li><li>• Enter per unit expenses for a crop and/or livestock profile using the GrainBridge Risk Management Application</li></ul>
<b>4: Identify Gross Expenses</b>	<ul style="list-style-type: none"><li>• Identify gross expenses associated with growing crops and livestock</li><li>• Enter gross operating expenses using the GrainBridge Risk Management Application</li></ul>
<b>5: Income and Profit</b>	<ul style="list-style-type: none"><li>• Explain income associated with growing crops and livestock</li><li>• Enter income using the GrainBridge Risk Management Application</li></ul>
<b>6: Setting the Breakeven Price</b>	<ul style="list-style-type: none"><li>• Calculate the break-even price for crop and livestock operation</li><li>• Calculate the target price for a crop and livestock operation</li><li>• Establish the target price for your crop and/or livestock operation</li></ul>
<b>7: The Balance Sheet</b>	<ul style="list-style-type: none"><li>• Define and identify assets and liabilities</li><li>• Define balance sheet and identify its structure</li><li>• Discuss the purpose of a balance sheet</li><li>• Develop a balance sheet in GrainBridge</li></ul>
<b>8: The Cash Flow Statement</b>	<ul style="list-style-type: none"><li>• Define cash flow and identify cash inflows and outflows</li><li>• Discuss the purpose of a cash flow statement</li><li>• Identify the structure of a cash flow statement</li><li>• Develop and analyze a cash flow statement in GrainBridge</li></ul>
<b>9: Factors of Supply and Demand</b>	<ul style="list-style-type: none"><li>• Understand the law of supply and demand</li><li>• Identify factors that influence supply and demand for agricultural markets</li><li>• Explain price-discovery</li><li>• Identify important crop and livestock reports</li></ul>
<b>10: Introduction to Commodities Marketing</b>	<ul style="list-style-type: none"><li>• Define commodities marketing</li><li>• Identify the cash and futures market relationship</li><li>• Understand the evolution of commodities exchanges</li></ul>
<b>11: Cash and Forward Cash Sales</b>	<ul style="list-style-type: none"><li>• Describe a cash contract and its advantages and disadvantages</li><li>• Describe a forward cash contract and its advantages and disadvantages</li><li>• Complete a cash sale transaction for crops and livestock</li></ul>
<b>12: Hedge-to-Arrive Contracts</b>	<ul style="list-style-type: none"><li>• Describe a Hedge-to-Arrive (HTA) contract and its advantages and disadvantages</li><li>• Complete a Hedge-to-Arrive (HTA) contract for crops</li></ul>
<b>13: Basis Contracts</b>	<ul style="list-style-type: none"><li>• Define basis</li><li>• Identify what factors that influence basis levels</li><li>• Describe a basis contract and its advantages and disadvantages</li><li>• Complete a basis contract for crops</li></ul>

<b>14: No Price Established Contracts</b>	<ul style="list-style-type: none"> <li>• Describe a No Price Established (NPE) contract and its advantages and disadvantages</li> <li>• Complete a NPE contract for crops</li> </ul>
<b>15: Futures Contracts</b>	<ul style="list-style-type: none"> <li>• Define a futures contract</li> <li>• Describe futures market participants</li> <li>• Identify contract order components</li> <li>• Describe how futures contracts are settled</li> <li>• Discuss the advantages and disadvantages of futures contracts for producers</li> <li>• Initiate an futures contract for crops and livestock</li> </ul>
<b>16: Hedging with Futures</b>	<ul style="list-style-type: none"> <li>• Define hedging</li> <li>• Illustrate the hedging process</li> <li>• Describe how hedging reduces price risk</li> <li>• Discuss the advantages and disadvantages of hedging with futures contracts for producers</li> <li>• Complete a hedge for crops and livestock</li> </ul>
<b>17: Options Contracts</b>	<ul style="list-style-type: none"> <li>• Define an option and terms associated with option contracts</li> <li>• Describe the purpose of put and call options</li> <li>• Explain how option premiums are determined</li> <li>• Describe how option contracts are settled</li> <li>• Initiate an options contract</li> </ul>
<b>18: Hedging with Options</b>	<ul style="list-style-type: none"> <li>• Illustrate the hedging process with options</li> <li>• Describe how hedging with options reduces price risk</li> <li>• Discuss the advantages and disadvantages of hedging with options</li> <li>• Complete an options hedge for crops and livestock</li> </ul>
<b>19: Crop Insurance</b>	<ul style="list-style-type: none"> <li>• Explore crop insurance products and their advantages</li> <li>• Calculate crop insurance payments</li> <li>• Create a crop insurance profile</li> </ul>
<b>20: Payments</b>	<ul style="list-style-type: none"> <li>• Identify programs where producers receive payments</li> <li>• Complete a payment transaction</li> </ul>