Crop Sequence Calculator, Version 2.2.5

A Revised Computer Program to Assist Producers

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The Crop Sequence Calculator (version 2.2.5) is a user-friendly program that runs directly from a CD-ROM eliminating the need for additional disk space or installation procedures. The program has been expanded to provide an introduction to the Northern Great Plains Research Laboratory crop sequence research project and dynamic agricultural systems. Another year of research data has been added along with new information on economics and insects. Previous information on crop production, plant diseases, weeds, water use, and surface soil properties has been expanded to aid producers in their evaluation of management risks associated with different crop sequences. Once the previous crop (residue producing crop) and the expected crop are entered with a click of the mouse, summary statements appear regarding crop production, economics, plant diseases, weeds, insects, water use, and surface soil properties. The program can show the yield effect of ten crops (barley, canola, crambe, dry pea, dry bean, flax, safflower, soybean, sunflower, and spring wheat) grown in any two-year combination. Expected crop prices and expected loan deficiency payments and/or crop premiums can be entered to provide rapid calculations of potential returns. By selecting the "More Info" buttons adjacent to each summary statement, graphs, photos, internet resources and additional information is easily accessed. For example, additional information concerning plant diseases includes an introduction to plant diseases, research data, internet resources, and photographs of plant diseases to aid in their identification. The program also includes numerous photographs of weeds and insects to aid in identification.