

agricultural science degree online

Agricultural Science Degree Online: A Comprehensive Guide

Author: Dr. Emily Carter, PhD in Agricultural Economics, 15 years experience in agricultural research and online education.

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Editor: Jane Doe, MSc in Agricultural Communications, 10 years experience in editing and publishing scientific articles.

Summary: This guide provides a comprehensive overview of pursuing an agricultural science degree online. It explores the benefits and drawbacks, outlines best practices for success, highlights common pitfalls to avoid, and offers advice on choosing the right program. We delve into curriculum considerations, accreditation, career prospects, and financial aspects, ensuring prospective students make informed decisions about their online agricultural science education.

Keyword: agricultural science degree online

1. Introduction: Embracing the Future of Farming with an Agricultural Science Degree Online

The agricultural industry is undergoing a rapid transformation, driven by technological advancements, climate change, and increasing global demand for food. To meet these challenges, skilled professionals with a strong understanding of agricultural science are crucial. An agricultural science degree online offers a flexible and accessible pathway to a rewarding career in this dynamic field. This guide will help you navigate the landscape of online agricultural science education, ensuring you make informed decisions that align with your career goals.

2. Benefits of an Agricultural Science Degree Online

Pursuing an agricultural science degree online presents numerous advantages:

Flexibility and Convenience: Study at your own pace, from anywhere with an internet connection. This is particularly beneficial for working professionals or students with family commitments.

Accessibility: Online programs break down geographical barriers, making quality agricultural education accessible to a wider audience.

Affordability: Online programs can sometimes be more affordable than traditional on-campus programs, reducing tuition costs and eliminating

expenses like commuting and accommodation.

Technological Proficiency: Online learning enhances digital literacy, a crucial skill in modern agriculture.

Specialized Courses: Many online programs offer specialized courses in areas like precision agriculture, sustainable farming, and agricultural biotechnology.

3. Choosing the Right Agricultural Science Degree Online Program

Selecting the right program is crucial. Consider the following factors:

Accreditation: Ensure the program is accredited by a recognized accrediting body to guarantee the quality and credibility of your degree.

Curriculum: Evaluate the curriculum to ensure it aligns with your career aspirations and interests. Look for programs that offer a balance of theoretical knowledge and practical application.

Faculty Expertise: Research the faculty's qualifications and experience. Look for professors with industry experience and a strong research record.

Support Services: Investigate the availability of academic advising, tutoring, and career services.

Technology and Resources: Assess the program's online learning platform, library resources, and technological support.

Program Length and Structure: Determine if the program's pace and structure (e.g., full-time vs. part-time) fit your lifestyle and commitments.

4. Common Pitfalls to Avoid

While pursuing an agricultural science degree online offers many advantages, it's essential to be aware of potential challenges:

Lack of Face-to-Face Interaction: Online learning can lack the personal interaction of a traditional classroom. Actively participate in online discussions and utilize virtual office hours to build connections with instructors and peers.

Self-Discipline and Time Management: Successful online learning requires self-motivation and excellent time management skills. Develop a study schedule and stick to it.

Technological Issues: Technical problems can disrupt your studies. Ensure you have a reliable internet connection and the necessary technology.

Isolation: Combat feelings of isolation by actively participating in online forums and study groups.

5. Best Practices for Success

To maximize your success in an agricultural science degree online program, follow these best practices:

Create a Dedicated Study Space: Establish a quiet and organized space free from distractions.

Develop a Study Schedule: Create a realistic study schedule that incorporates breaks and time for other activities.

Actively Participate in Online Discussions: Engage with instructors and peers

to enhance your learning experience.

Utilize Available Resources: Take advantage of online tutoring, library resources, and career services.

Seek Feedback Regularly: Ask for feedback from instructors and peers to identify areas for improvement.

Network with Professionals: Attend virtual conferences and connect with professionals in the field.

6. Career Prospects with an Online Agricultural Science Degree

An agricultural science degree online can open doors to a wide range of career opportunities, including:

Agricultural Researcher: Conduct research on improving crop yields, developing sustainable farming practices, and addressing environmental challenges.

Farm Manager: Oversee the day-to-day operations of a farm, including crop production, livestock management, and financial planning.

Agricultural Consultant: Provide expert advice to farmers on improving their productivity and profitability.

Agribusiness Manager: Manage the business aspects of agricultural operations, including marketing, sales, and finance.

Environmental Scientist: Address environmental challenges related to agriculture, such as water pollution and soil degradation.

7. Financing Your Online Agricultural Science Degree

Funding your education is a key consideration. Explore various options:

Scholarships and Grants: Research scholarships and grants specifically designed for students in agricultural science.

Student Loans: Consider federal and private student loans to cover tuition and living expenses.

Employer Assistance: Inquire about tuition reimbursement programs offered by your employer.

8. Conclusion

An agricultural science degree online offers a flexible, accessible, and affordable pathway to a rewarding career in a vital industry. By carefully selecting a program, employing effective study strategies, and proactively addressing potential challenges, you can successfully achieve your educational and career goals. The future of agriculture depends on skilled professionals, and an online agricultural science degree can equip you with the knowledge and skills needed to contribute to this critical sector.

FAQs

1. What are the prerequisites for an online agricultural science degree?

Prerequisites vary by program but often include a high school diploma or GED and sometimes specific science courses.

2. How long does it take to complete an online agricultural science degree? Completion time varies, with options ranging from two to four years.
3. Are online agricultural science degrees recognized by employers? Yes, if the program is accredited by a reputable organization.
4. What kind of technology do I need for an online agricultural science degree? A reliable computer, internet access, and potentially specific software are usually required.
5. What career opportunities are available with an online agricultural science degree? Many diverse careers are open, from research to farm management and consulting.
6. How can I find financial aid for an online agricultural science degree? Explore scholarships, grants, loans, and employer assistance programs.
7. Is it possible to do fieldwork as part of an online agricultural science degree? Some programs incorporate fieldwork opportunities, often requiring local arrangements.
8. How can I network with other students in an online agricultural science degree program? Online forums, discussion boards, and virtual study groups facilitate networking.
9. What is the difference between an online agricultural science degree and a traditional one? The primary difference is the delivery method; online programs offer flexibility but may lack direct face-to-face interaction.

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agricultural science degree online: Sustainable Agroecosystem Management Patrick J. Bohlen, Gar House, 2009-03-24 Sustainable Agroecosystem Management: Integrating Ecology, Economics, and Society examines the challenges for developing integrated approaches to the management of agricultural ecosystems. Providing historical background of attempts to bridge the ecological and agricultural sciences, this book highlights recent efforts to integrate natural and social science perspectives. Through various case studies with global applications, the text explores practical innovative strategies, policies, and research needs for emphasizing whole system productivity, diversification of agricultural operations, and management of agricultural systems that sustain multiple functions including ecological integrity.

agricultural science degree online: Principles of Agriculture, Food, and Natural Resources John S. Rayfield, Kasee L. Smith, Travis D. Park, D. Barry Croom, 2021-10-27 Written by leaders in agriculture education, Principles of Agriculture, Food, and Natural Resources is a user-friendly, visual introduction to the systems and concepts that define modern agriculture, including food systems and natural resources. This text is aligned to AFNR standards, providing practical information on building leadership, communication, and career-ready skills while integrating pedagogical tools designed for learner success. Using a modern approach to learning design, information is delivered in smaller sections so students can process and then interact with

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agricultural science degree online: Sustainable Food and Agriculture Clayton Campanhola, Shivaji Pandey, 2018-11-30 Sustainable Food and Agriculture: An Integrated Approach is the first book to look at the imminent threats to sustainable food security through a cross-sectoral lens. As the world faces food supply challenges posed by the declining growth rate of agricultural productivity, accelerated deterioration of quantity and quality of natural resources that underpin agricultural production, climate change, and hunger, poverty and malnutrition, a multi-faced understanding is key to identifying practical solutions. This book gives stakeholders a common vision, concept and methods that are based on proven and widely agreed strategies for continuous improvement in sustainability at different scales. While information on policies and technologies that would enhance productivity and sustainability of individual agricultural sectors is available to some extent, literature is practically devoid of information and experiences for countries and communities considering a comprehensive approach (cross-sectoral policies, strategies and technologies) to SFA. This book is the first effort to fill this gap, providing information on proven options for enhancing productivity, profitability, equity and environmental sustainability of individual sectors and, in addition, how to identify opportunities and actions for exploiting cross-sectoral synergies. - Provides proven options of integrated technologies and policies, helping new programs identify appropriate existing programs - Presents mechanisms/tools for balancing trade-offs and proposes indicators to facilitate decision-making and progress measurement - Positions a comprehensive and informed review of issues in one place for effective education, comparison and evaluation

agricultural science degree online: Precision Agriculture Basics D. Kent Shannon, David E. Clay, Newell R. Kitchen, 2020-01-22 With the growing popularity and availability of precision equipment, farmers and producers have access to more data than ever before. With proper implementation, precision agriculture management can improve profitability and sustainability of production. Precision Agriculture Basics is geared at students, crop consultants, farmers, extension workers, and practitioners that are interested in practical applications of site-specific agricultural management. Using a multidisciplinary approach, readers are taught to make data-driven on-farm decisions using the most current knowledge and tools in crop science, agricultural engineering, and geostatistics. Precision Agriculture Basics also features a stunning video glossary including interviews with agronomists on the job and in the field.

agricultural science degree online: Introductory Crop Science Lauren Ingram, 2021-11-16 The scientific knowledge, learning, practice and understanding related to the management, cultivation and production of crops is known as crop science. There are various types of crops which are dealt with in this field such as food crops, cash crops and horticulture crops. Crop science makes use of principles from a diverse range of disciplines such as breeding, genetics, management and production. The application of scientific and organized knowledge for solving practical problems is known as crop technology. Some of the technological interventions which fall within this discipline are seed technologies, agronomic technologies and hybrid technologies. This book unfolds the innovative aspects of crop science which will be crucial for the progress of this field in the future. The topics included herein on this field are of utmost significance and bound to provide incredible insights to readers. Coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.

agricultural science degree online: Dust Bowl Donald Worster, 1982 In the mid 1930s, North America's Great Plains faced one of the worst man-made environmental disasters in world history. Donald Worster's classic chronicle of the devastating years between 1929 and 1939 tells the story of the Dust Bowl in ecological as well as human terms. Now, twenty-five years after his book helped to define the new field of environmental history, Worster shares his more recent thoughts on the subject of the land and how humans interact with it. In a new afterword, he links the Dust Bowl to

current political, economic and ecological issues--including the American livestock industry's exploitation of the Great Plains, and the on-going problem of desertification, which has now become a global phenomenon. He reflects on the state of the plains today and the threat of a new dustbowl. He outlines some solutions that have been proposed, such as the Buffalo Commons, where deer, antelope, bison and elk would once more roam freely, and suggests that we may yet witness a Great Plains where native flora and fauna flourish while applied ecologists show farmers how to raise food on land modeled after the natural prairies that once existed.

agricultural science degree online: Transforming Agricultural Education for a Changing World National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Board on Agriculture and Natural Resources, Committee on a Leadership Summit to Effect Change in Teaching and Learning, 2009-11-16 During the next ten years, colleges of agriculture will be challenged to transform their role in higher education and their relationship to the evolving global food and agricultural enterprise. If successful, agriculture colleges will emerge as an important venue for scholars and stakeholders to address some of the most complex and urgent problems facing society. Such a transformation could reestablish and sustain the historical position of the college of agriculture as a cornerstone institution in academe, but for that to occur, a rapid and concerted effort by our higher education system is needed to shape their academic focus around the reality of issues that define the world's systems of food and agriculture and to refashion the way in which they foster knowledge of those complex systems in their students. Although there is no single approach to transforming agricultural education, a commitment to change is imperative.

agricultural science degree online: The Experiment Station , 1888

agricultural science degree online: *Understanding Agriculture* National Research Council, Board on Agriculture, Committee on Agricultural Education in Secondary Schools, 1988-02-01 This book responds to the widespread recognition among experts that our educational system needs to change in order to provide the skills and knowledge necessary to ensure the future vitality of U.S. agriculture. *Understanding Agriculture* focuses on agricultural literacy (education about agriculture) and vocational agricultural education (education in agriculture). The section on agricultural literacy addresses the teaching of science through agriculture, teacher education and training, model educational programs, community support, and agricultural career exploration programs. Vocational agricultural education is examined in terms of program enrollment, availability and content, supervised occupational experiences, the Future Farmers of America program, and teacher education and supply.

agricultural science degree online: Peterson's Grad Programs in Physical Sciences, Math, Ag Sciences, Envir & Natural Res 20154 (Grad 4) Peterson's, 2014-10-21 Graduate Programs in the Physical Sciences, Mathematics, Agricultural Sciences, the Environment & Natural Resources 2015 contains more than 3,000 graduate programs in the relevant disciplines-including agriculture and food sciences, astronomy and astrophysics, chemistry, physics, mathematics, environmental sciences and management, natural resources, marine sciences, and more. Informative data profiles for more than 3,000 graduate programs at nearly 600 institutions are included, complete with facts and figures on accreditation, degree requirements, application deadlines and contact information, financial support, faculty, and student body profiles. Two-page in-depth descriptions, written by featured institutions, offer complete details on specific graduate programs, schools, or departments as well as information on faculty research. Comprehensive directories list programs in this volume, as well as others in the graduate series.

agricultural science degree online: *Horticulture Business Management* Sanjay Sawant, Pandit Patil, 2016 Horticulture is the branch of agriculture that deals with the art, science, technology, and business of plant cultivation. It includes the cultivation of fruits, vegetables, nuts, seeds, herbs, sprouts, mushrooms, algae, flowers, seaweeds and non-food crops such as grass and ornamental trees and plants. It also includes plant conservation, landscape restoration, landscape and garden design, construction, and maintenance, and arboriculture. Horticulturists apply their knowledge, skills, and technologies used to grow intensively produced plants for human food and

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agricultural science degree online: Risk Management for Agriculture Lowell Catlett, James Libbin, 2006-06-06 Risk Management for Agriculture addresses the issue of price risk as a management function versus a marketing function. Price risks impact not only the marketing of a product but the cash flow and the overall financial health of the business. The use of derivatives such as futures contracts, options contracts, and swaps need to be viewed as tools that can be used solely or in combinations to control price risk. Each of these derivatives and subsequent combinations is examined closely and comprehensively within the text. Price forecasting is addressed as well as fundamentals of futures hedging and options hedging. There is a complete glossary of terms at the end of the text to help reinforce the terms that are used throughout. Although price risk is the focus of the text, there is also a chapter devoted to the management of other agricultural risks. Students and professionals will benefit from this text that takes a comprehensive, management approach to price risk. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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agricultural science degree online: Intergenerational Programs Matthew Kaplan, Atsuko Kusano, Ichiro Tsuji, Shigeru Hisamichi, 1998-01-29 The intergenerational programming concept, now garnering increased interest in America, has been applied to Japanese society as a strategy for maintaining intergenerational and cultural continuity in the face of social and demographic changes. While Japan is known for its enduring and resilient family structure which provides support for people of all ages, the country's growing aged population, combined with a trend away from three-generation families and changing social values, exposes a need for new mechanisms beyond the family to promote intergenerational communication, support, and cultural continuity. The authors identify a rich geographically diverse set of intergenerational programs and activities that serve a wide range of human and community development objectives. Beyond promoting

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agricultural science degree online: Agriculture Course Rudolf Steiner, 2013-04-02

Steiner's original contribution to human knowledge was based on his ability to conduct 'spiritual research', the investigation of metaphysical dimensions of existence. With his scientific and philosophical training, he brought a new systematic discipline to the field, allowing for conscious methods and comprehensive results. A natural seer from childhood, he cultivated his spiritual vision to a high degree, enabling him to speak with authority on previously veiled mysteries of life. The evolving human being; Cosmos as the source of life; Plants and the living earth; Farms and the realms of nature; Bringing the chemical elements to life; Soil and the world of spirit; Supporting and regulating life processes; Spirits of the elements; Nutrition and vitality; Responsibility for the future.

agricultural science degree online: There Is Life After College Jeffrey J. Selingo,

2016-04-12 From the bestselling author of *College Unbound* comes a hopeful, inspiring blueprint to help alleviate parents' anxiety and prepare their college-educated child to successfully land a good job after graduation. Saddled with thousands of dollars of debt, today's college students are graduating into an uncertain job market that is leaving them financially dependent on their parents for years to come—a reality that has left moms and dads wondering: What did I pay all that money for? *There Is Life After College* offers students, parents, and even recent graduates the practical advice and insight they need to jumpstart their careers. Education expert Jeffrey Selingo answers key questions—Why is the transition to post-college life so difficult for many recent graduates? How can graduates market themselves to employers that are reluctant to provide on-the-job training? What can institutions and individuals do to end the current educational and economic stalemate?—and offers a practical step-by-step plan every young professional can follow. From the end of high school through college graduation, he lays out exactly what students need to do to acquire the skills companies want. Full of tips, advice, and insight, this wise, practical guide will help every student, no matter their major or degree, find real employment—and give their parents some peace of mind.

agricultural science degree online: American Universities and Colleges Praeger Publishers,

2010-04-16 For well over a half century, *American Universities and Colleges* has been the most comprehensive and highly respected directory of four-year institutions of higher education in the United States. A two-volume set that *Choice* magazine hailed as a most important resource in its November 2006 issue, this revised edition features the most up-to-date statistical data available to guide students in making a smart yet practical decision in choosing the university or college of their dreams. In addition, the set serves as an indispensable reference source for parents, college advisors, educators, and public, academic, and high school librarians. These two volumes provide extensive information on 1,900 institutions of higher education, including all accredited colleges and universities that offer at least the baccalaureate degree. This essential resource offers pertinent, statistical data on such topics as tuition, room and board; admission requirements; financial aid; enrollments; student life; library holdings; accelerated and study abroad programs; departments and teaching staff; buildings and grounds; and degrees conferred. Volume two of the set provides four indexes, including an institutional Index, a subject accreditation index, a levels of degrees offered index, and a tabular index of summary data by state. These helpful indexes allow readers to find information easily and to make comparisons among institutions effectively. Also contained within the text are charts and tables that provide easy access to comparative data on relevant topics.

agricultural science degree online: Program Emphasis Areas , 1994

agricultural science degree online: Agricultural Equipment Technician , 2019

agricultural science degree online: Mathematical Applications in Agriculture Nina H.

Mitchell, 2004 This book teaches the many mathematical applications used in crop production,

livestock production and financial management in the agriculture business, skills which are essential for success as an agriculture professional. By giving readers a solid foundation in arithmetic, applied geometry and algebra as they relate to agriculture, the material presented will help develop their ability to think through the many mathematical challenges they will face. Case studies, sample problems, charts, and graphs fully illustrate the important concepts presented.

agricultural science degree online: Get Your Degree Online Matthew Helm, April Leigh Helm, 2000 Students of all ages can now use their home computers to matriculate at local colleges, earn technical and continuing education credits, even get an MBA from top business schools. This invaluable guide shows how.

agricultural science degree online: Nanotechnology for Agriculture: Crop Production & Protection Deepak G. Panpatte, Yogeshvari K. Jhala, 2019-12-07 The emergence of nanotechnology and the development of new nanodevices and nanomaterials have opened up exciting opportunities for novel applications in agriculture and biotechnology. Nanotechnology has the potential to modernize agricultural research and practice, but although it has gained momentum in the agriculture sector over last decade, there are still knowledge gaps between scientific communities. This book presents a comprehensive overview of current developments in nanotechnology-based sustainable agriculture. Focusing on various aspects of nanotechnology in different sectors of agriculture, such as crop production, soil fertility management and crop improvement, it offers insights into the current trends and future prospects of nanotechnology, along with the benefits and risks and their impact on agricultural ecosystems. It also highlights the use of nanotechnology to reduce agrochemical usage, to increase nutrient uptake efficiency and to improve water and nutrient management, and the use of nano-biosensors to manage plant diseases. The book is a valuable reference resource for scientists, policymakers, students and researchers who are engaged in developing strategies to cope with current agricultural challenges.

agricultural science degree online: Drawdown Paul Hawken, 2017-04-18 • New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world “At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope.” —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming “There’s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom.” —David Roberts, Vox “This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook.” —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth’s warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

agricultural science degree online: Fertilizer Suggestions E. R. Flint, 1905

agricultural science degree online: American Universities and Colleges James J. Murray, 2021-06-21 No detailed description available for American Universities and Colleges.

agricultural science degree online: Crop Physiology Victor Sadras, Daniel Calderini, 2014-09-17 From climate change to farming systems to genetic modification of organisms, Crop Physiology, Second Edition provides a practical tool for understanding the relationships and challenges of successful cropping. With a focus on genetic improvement and agronomy, this book addresses the challenges of environmentally sound production of bulk and quality food, fodder, fiber, and energy which are of ongoing international concern. The second edition of Crop Physiology continues to provide a unique analysis of these topics while reflecting important changes and advances in the relevant science and implementation systems. Contemporary agriculture confronts the challenge of increasing demand in terms of quantitative and qualitative production targets. These targets have to be achieved against the background of soil and water scarcity, worldwide and regional shifts in the patterns of land use driven by both climate change and the need to develop crop-based sources of energy, and the environmental and social aspects of agricultural sustainability. - Provides a view of crop physiology as an active source of methods, theories, ideas, and tools for application in genetic improvement and agronomy - Written by leading scientists from around the world - Combines environment-specific cropping systems and general principles of crop science to appeal to advanced students, and scientists in agriculture-related disciplines, from molecular sciences to natural resources management

agricultural science degree online: Teaching Science Online Dietmar Kennepohl, 2023-07-03 With the increasing focus on science education, growing attention is being paid to how science is taught. Educators in science and science-related disciplines are recognizing that distance delivery opens up new opportunities for delivering information, providing interactivity, collaborative opportunities and feedback, as well as for increasing access for students. This book presents the guidance of expert science educators from the US and from around the globe. They describe key concepts, delivery modes and emerging technologies, and offer models of practice. The book places particular emphasis on experimentation, lab and field work as they are fundamentally part of the education in most scientific disciplines. Chapters include:* Discipline methodology and teaching strategies in the specific areas of physics, biology, chemistry and earth sciences.* An overview of the important and appropriate learning technologies (ICTs) for each major science.* Best practices for establishing and maintaining a successful course online.* Insights and tips for handling practical components like laboratories and field work.* Coverage of breaking topics, including MOOCs, learning analytics, open educational resources and m-learning.* Strategies for engaging your students online.

agricultural science degree online: Soils and Fertilizers : Technical Bulletins , 1910

agricultural science degree online: High-Throughput Crop Phenotyping Jianfeng Zhou, Henry T. Nguyen, 2021-07-17 This book provides an overview of the innovations in crop phenotyping using emerging technologies, i.e., high-throughput crop phenotyping technology, including its concept, importance, breakthrough and applications in different crops and environments. Emerging technologies in sensing, machine vision and high-performance computing are changing the world beyond our imagination. They are also becoming the most powerful driver of the innovation in agriculture technology, including crop breeding, genetics and management. It includes the state of the art of technologies in high-throughput phenotyping, including advanced sensors, automation systems, ground-based or aerial robotic systems. It also discusses the emerging technologies of big data processing and analytics, such as advanced machine learning and deep learning technologies based on high-performance computing infrastructure. The applications cover different organ levels (root, shoot and seed) of different crops (grains, soybean, maize, potato) at different growth environments (open field and controlled environments). With the contribution of more than 20 world-leading researchers in high-throughput crop phenotyping, the authors hope this book provides readers the needed information to understand the concept, gain the insides and create the innovation of high-throughput phenotyping technology.

agricultural science degree online: Sustainable Agriculture , 1999

agricultural science degree online: Crop Production and Soil Management Joseph Frank

Cox, 1925

agricultural science degree online: *Publicly Funded Agricultural Research and the Changing Structure of U.S. Agriculture* National Research Council, Division on Earth and Life Studies, Board on Agriculture and Natural Resources, Committee to Review the Role of Publicly Funded Agricultural Research on the Structure of U.S. Agriculture, 2002-03-18 The U.S. Department of Agriculture (USDA) requested that the Board on Agriculture and Natural Resources of the National Research Council (NRC) convene a panel of experts to examine whether publicly funded agricultural research has influenced the structure of U.S. agriculture and, if so, how. The Committee to Review the Role of Publicly Funded Agricultural Research on the Structure of U.S. Agriculture was asked to assess the role of public-sector agricultural research on changes in the size and numbers of farms, with particular emphasis on the evolution of very-large-scale operations.

agricultural science degree online: *American Universities and Colleges* , 2014-10-08 No detailed description available for American Universities and Colleges.

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