

Emerging Issues in Agribusiness and Applied Economics: Syllabus

AEDECON 3300, AU 2023

Course Information

- **Course times and location:** Tuesdays and Thursdays, 11:10AM – 12:30PM in Kottman Hall 112
- **Credit hours:** 3
- **Mode of delivery:** 100% in person

Instructor

- **Name:** Jared D. Grant
- **Email:** grant.829@osu.edu
- **Phone Number:** 614-292-2258
- **Office location:** 222 Ag Admin Building
- **Office hours:** By appointment through email.
- **Preferred means of communication:**
 - My preferred method of communication for questions is **email**.
 - My class-wide communications will be sent through the Announcements tool in CarmenCanvas. Please check your [notification preferences](https://go.osu.edu/canvas-notifications) (go.osu.edu/canvas-notifications) to be sure you receive these messages.

Course Prerequisites/Co-Requisites

Rank 3 or junior status

Course Description

This course familiarizes students with emerging domestic and international issues relevant to professionals in agribusiness through the lens of applied economics, while improving their teamwork and communications skills.



THE OHIO STATE UNIVERSITY

College of Food, Agricultural, and Environmental Sciences
AEDE

Course Learning Goals and Outcomes

By the end of this course, students should successfully be able to:

- Identify and summarize leading perspectives on a number of contemporary issues in agribusiness and applied economics
- Describe emerging domestic and international issues relevant to agribusiness through the lens of applied economics.
- Prepare and deliver professional and informal communications utilizing best practices in the delivery format to a variety of audiences.
- Utilize written, graphical, and oral communications as tools to facilitate exchange of ideas and to push the boundaries of knowledge for those who read their writing.
- Demonstrate mastery of different forms of writing, such as notes, reports, social media reflections, as well as journal or newspaper articles, to express their understanding of current and relevant issues and challenges in the US or abroad.
- Apply a set of cognitive and behavioral skills that support effective and appropriate interaction in a variety of cultural contexts.
- Function effectively on diverse teams.
- Critically evaluate, utilize, and share information in a responsible manner.
- Systematically examine, explore and respond to statements, problems, issues, ideas, and event.



How This Course Works

Mode of delivery: This course is taught in person. Students are expected to attend scheduled meeting sessions. Exams will be administered during the scheduled class meetings as found on the course schedule.

Credit hours and work expectations: This is a 3 credit hour course. According to [Ohio State bylaws on instruction](https://go.osu.edu/credithours) (go.osu.edu/credithours), students should expect around 3 hours per week of time spent on direct instruction (instructor content and Carmen activities, for example) in addition to 6 hours of homework (reading and assignment preparation, for example) to receive a grade of C average.

Attendance and participation requirements:

- **Attend Class: required**
 - Research shows regular participation is one of the highest predictors of success. In the case of emergency or illness, contact the instructor as soon as possible to discuss possible accommodations at the discretion of the instructor and with appropriate documentation.
- **Office hours: optional**
 - My office hours are optional. Connect with me directly to schedule a meeting.



Course Materials, Fees and Technologies

Required Materials and/or Technologies

- There is no textbook assigned in this course. Course materials are in the form of articles (pdf), videos, and website content available on Carmen (<https://carmen.osu.edu>). Materials have been evaluated for compliance with fair use.

Required Equipment

- **Computer:** current Mac (MacOS) or PC (Windows 10) with high-speed internet connection.
- **Webcam:** built-in or external webcam, fully installed and tested
- **Microphone:** built-in laptop or tablet mic or external microphone
- **Other:** a mobile device (smartphone or tablet) to use for BuckeyePass authentication

If you do not have access to the technology you need to succeed in this class, review options for [technology and internet access](https://go.osu.edu/student-tech-access) (go.osu.edu/student-tech-access).

Required Software

Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. Visit the [installing Office 365](https://go.osu.edu/office365help) (go.osu.edu/office365help) help article for full instructions.

CarmenCanvas Access

You will need to use [BuckeyePass](https://buckeyepass.osu.edu) (buckeyepass.osu.edu) multi-factor authentication to access your courses in Carmen. To ensure that you are able to connect to Carmen at all times, it is recommended that you do each of the following:

- Register multiple devices in case something happens to your primary device. Visit the [BuckeyePass - Adding a Device](https://go.osu.edu/add-device) (go.osu.edu/add-device) help article for step-by-step instructions.
- Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click **Enter a Passcode** and then click the **Text me new codes** button that appears. This will text you ten passcodes, good for 365 days, that can each be used once.
- [Install the Duo Mobile application](https://go.osu.edu/install-duo) (go.osu.edu/install-duo) on all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service.

If none of these options will meet the needs of your situation, you can contact the IT Service Desk at [614-688-4357 \(HELP\)](tel:614-688-4357) and IT support staff will work out a solution with you.



Technology Skills Needed for This Course

- Basic computer and web-browsing skills
- [Navigating CarmenCanvas](https://go.osu.edu/canvasstudent) (go.osu.edu/canvasstudent)
- [Recording a slide presentation with audio narration and recording, editing and uploading video](https://go.osu.edu/video-assignment-guide) (go.osu.edu/video-assignment-guide)

Technology Support

For help with your password, university email, CarmenCanvas, or any other technology issues, questions or requests, contact the IT Service Desk, which offers 24-hour support, seven days a week.

- **Self Service and Chat:** go.osu.edu/it
- **Phone:** [614-688-4357 \(HELP\)](tel:614-688-4357)
- **Email:** servicedesk@osu.edu



Grading and Faculty Response

How Your Grade is Calculated

Assignment Category	Points
Attendance	40
Participation	60
Career Sector Relationship Project	20
Individual Assignments (8 x 10)	80
Recommendation Paper	80
Team Projects (2 x 40)	80
Total	360

See [Course Schedule](#) for due dates.

Descriptions of Major Course Assignments

Attendance

Description: You will receive 2 point for attending the entirety of a class session for up to 20 class sessions during the semester. In the case of an excused absence (see p.3 for details), the instructor will provide an alternative activity to make up the point(s).

Academic integrity and collaboration: Signing in (or otherwise indicating the attendance of) another person is not permitted and will be considered a potential instance of academic misconduct.

Participation

Description: You will receive up to 3 points per class session for actively participating in class period activities where active participation will be monitored by the instructor may be evidenced by asking questions, engaging in group discussions, responding to instructor or guest speaker prompts, or other actions as specified by the instructor prior to class. In the case of an excused absence (see p.3 for details), the instructor will provide an alternative activity to make up the point(s).



Academic integrity and collaboration: Some participation may involve you summarizing the points of view or conclusions of others in, e.g., group discussion or from reading assignments. This is encouraged so long as attribution of ideas to collaborators or primary sources is acknowledged.

Individual Assignments

Description: Individual assignments will be based upon searching news articles on topics of the week, Topic selections for paper/group projects, the reading material and content provided by guest speakers. They will involve written communication. Exact instructions details about the assignments including due dates and rubrics for assessment will be available on the Carmen site for the course. Assignments may involve written or recorded communications that will be submitted to the Carmen site for this course. For example, students may be asked to respond to a prompt regarding material that was discussed in class or may be asked to analyze a scenario and provide a recommendation based on course information. Details for each assignment and expectations for submission will be provided in the Carmen site for this course.

Career Sector Relationship Project

Description: Each student will create and submit a figure with a caption showcasing their interpretation of the relationship, connection, and overlap of the 5 career sectors highlighted in the course. Students will also briefly present their image to the class. Further details for the project including grading rubrics, and delivery/submission logistics will be provided in the Carmen site for this course.

Recommendation Paper

Description: Each student will submit an individual paper (minimum of 3 pages) detailing an agribusiness issue of their choice, current solutions for alleviating the issue, and their recommendation on the issue. Students must submit a brief paragraph confirming their issue topic as an individual assignment before the paper is due. Further details for the paper, including format, grading rubrics, and delivery/submission logistics will be provided in the Carmen site for this course.

Academic integrity and collaboration: Your written and oral assignments must be your own original work. In formal assignments, you should follow APA style to cite the ideas and words of your research sources (see: <https://guides.osu.edu/c.php?g=605168&p=7880510>). You are encouraged to ask a trusted person to proofread your assignments before you turn them in but no one else should revise or rewrite your work.

Team Projects

Description: Team projects will be based crafting and presenting lectures on selected topics and will involve written and/or oral communications. Team rosters and exact project instructions will be provided at the beginning of the semester. Details for each project (including how teams will be structured), grading rubrics, and delivery/submission logistics will be provided in the Carmen site for this course.



Academic integrity and collaboration: Your team's written and oral assignments must be the original work of your team and its members. In formal assignments, you should follow APA style to cite the ideas and words of your research sources. You are encouraged to ask a trusted person outside of your team to proofread your assignments before you turn them in but non-team members should not revise or rewrite your work.

Late Assignments

Please refer to Carmen for due dates. Individual assignments and team projects turned in after the established due date will receive a 20% reduction in the graded score for each day or tardiness. In the case of documented emergency or illness, or in the case of an excused absence that has been discussed with the instructor in advance, assignment due-dates may be adjusted at the discretion of the instructor.

Instructor Feedback and Response Time

I am providing the following list to give you an idea of my intended availability throughout the course. Remember that you can call [614-688-4357 \(HELP\)](tel:614-688-4357) at any time if you have a technical problem.

- **Preferred contact method:** If you have a question, please contact me first through my Ohio State email address. I will reply to emails within **24 hours on days when class is in session at the university**.
- **Class announcements:** I will send all important class-wide messages through the Announcements tool in CarmenCanvas. Please check [your notification preferences](http://go.osu.edu/canvas-notifications) (go.osu.edu/canvas-notifications) to ensure you receive these messages.
- **Grading and feedback:** For assignments submitted before the due date, I will try to provide feedback and grades within **seven days**. Assignments submitted after the due date may have reduced feedback and grades may take longer to be posted.

Grading Scale

93–100: A
 90–92.9: A-
 87–89.9: B+
 83–86.9: B
 80–82.9: B-
 77–79.9: C+
 73–76.9: C
 70–72.9: C-
 67–69.9: D+
 60–66.9: D
 Below 60: E

Other Course Policies

Discussion and Communication Guidelines

The following are my expectations for how we should communicate as a class. Above all, please remember to be respectful and thoughtful.

- **Writing style:** While there is no need to participate in class discussions as if you were writing a research paper, you should remember to write using good grammar, spelling, and punctuation. A more conversational tone is fine for non-academic topics.
- **Tone and civility:** Let's maintain a supportive learning community where everyone feels safe and where people can disagree amicably. Remember that sarcasm doesn't always come across in writing. I will provide specific guidance for discussions on controversial or personal topics.
 - **Citing your sources:** When we have academic discussions and written assignments, please cite your sources in APA format to back up what you say. For the textbook or other course materials, list at least the title and page numbers. For online sources, include a link. Information on APA format can be found here: <https://guides.osu.edu/c.php?g=605168&p=7880510>

Academic Integrity Policy

See [Descriptions of Major Course Assignments](#) for specific guidelines about collaboration and academic integrity in the context of this online class.

Ohio State's Academic Integrity Policy

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the university's [Code of Student Conduct](#) (studentconduct.osu.edu), and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the university's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the university or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the university's *Code of Student Conduct* is never considered an excuse for academic misconduct, so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.



If I suspect that a student has committed academic misconduct in this course, I am obligated by university rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the university's Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the university.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- [Committee on Academic Misconduct](http://go.osu.edu/coam) (go.osu.edu/coam)
- [Ten Suggestions for Preserving Academic Integrity](http://go.osu.edu/ten-suggestions) (go.osu.edu/ten-suggestions)
- [Eight Cardinal Rules of Academic Integrity](http://go.osu.edu/cardinal-rules) (go.osu.edu/cardinal-rules)

Copyright for Instructional Materials

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Creating an Environment Free from Harassment, Discrimination, and Sexual Misconduct

The Ohio State University is committed to building and maintaining a community to reflect diversity and to improve opportunities for all. All Buckeyes have the right to be free from harassment, discrimination, and sexual misconduct. Ohio State does not discriminate on the basis of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy (childbirth, false pregnancy, termination of pregnancy, or recovery therefrom), race, religion, sex, sexual orientation, or protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment. Members of the university community also have the right to be free from all forms of sexual misconduct: sexual harassment, sexual assault, relationship violence, stalking, and sexual exploitation.

To report harassment, discrimination, sexual misconduct, or retaliation and/or seek confidential and non-confidential resources and supportive measures, contact the Office of Institutional Equity:

1. Online reporting form at equity.osu.edu,
2. Call 614-247-5838 or TTY 614-688-8605,
3. Or Email equity@osu.edu

The university is committed to stopping sexual misconduct, preventing its recurrence, eliminating any hostile environment, and remedying its discriminatory effects. All university employees have reporting responsibilities to the Office of Institutional Equity to ensure the university can take appropriate action:

- All university employees, except those exempted by legal privilege of confidentiality or expressly identified as a confidential reporter, have an obligation to report incidents of sexual assault immediately.
- The following employees have an obligation to report all other forms of sexual misconduct as soon as practicable but at most within five workdays of becoming aware of such information: 1. Any human resource professional (HRP); 2. Anyone who supervises faculty, staff, students, or volunteers; 3. Chair/director; and 4. Faculty member."

Diversity

The Ohio State University affirms the importance and value of diversity of people and ideas. We believe in creating equitable research opportunities for all students and to providing programs and curricula that allow our students to understand critical societal challenges from diverse perspectives and aspire to use research to promote sustainable solutions for all. We are committed to maintaining an inclusive community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among all members; and encourages each individual to strive to reach their own potential. The Ohio State University does not discriminate on the basis of age, ancestry, color, disability, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment.

To learn more about diversity, equity, and inclusion and for opportunities to get involved, please visit:

- <https://odi.osu.edu/>
- <https://odi.osu.edu/racial-justice-resources>
- <https://odi.osu.edu/focus-on-racial-justice>
- <http://mcc.osu.edu/>

In addition, this course adheres to **The Principles of Community** adopted by the College of Food, Agricultural, and Environmental Sciences. These principles are located on the Carmen site for this course; and can also be found at <https://go.osu.edu/principlesofcommunity>. For additional information on Diversity, Equity, and Inclusion in CFAES, contact the CFAES Office for Diversity, Equity, and Inclusion (<https://equityandinclusion.cfaes.ohio-state.edu/>). If you have been a victim of or a witness to a bias incident, you can report it online and anonymously (if you choose) at <https://equity.osu.edu/>.

Your Mental Health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic



performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing.

If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614-292-5766. CCS is located on the 4th floor of the Younkin Success Center and 10th floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at 614-292-5766 and 24 hour emergency help is also available 24/7 by dialing 988 to reach the Suicide and Crisis Lifeline.

For students in the College of Food, Agricultural, and Environmental Sciences, David Wirt, wirt.9@osu.edu, is the CFAES embedded mental health counselor on the Columbus campus. To contact David, please call 614-292-5766. Students should mention their affiliation with CFAES if interested in speaking directly with David.

ACCESSIBILITY ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Requesting Accommodations

The university strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability including mental health, chronic or temporary medical conditions, please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with [Student Life Disability Services \(SLDS\)](#). After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's [request process](#), managed by Student Life Disability Services.

Disability Services Contact Information

- Phone: [614-292-3307](tel:614-292-3307)
- Website: slds.osu.edu
- Email: slds@osu.edu
- In person: [Baker Hall 098, 113 W. 12th Avenue](#)



Accessibility of Course Technology

This online course requires use of CarmenCanvas (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations as early as possible.

- [CarmenCanvas accessibility](https://go.osu.edu/canvas-accessibility) (go.osu.edu/canvas-accessibility)
- Streaming audio and video
- [CarmenZoom accessibility](https://go.osu.edu/zoom-accessibility) (go.osu.edu/zoom-accessibility)

Tentative Course Schedule

Refer to CarmenCanvas course for up-to-date due dates.

Lecture #	Week	Lectures	Assignments	Due Dates
1	Jan 8th	Introduction, Information Discernment, Debate Etiquette	None	
2	Jan 15th	Career Sector	None	
3	Jan 22th	Career Sector	Career Sector Relationship Project	Jan 25th
4	Jan 29th	Topics: Input Sector	News Article Assignment/ Guest Speaker Write Up	
5	Feb 5th	Topics: Food Production	News Article Assignment/ Guest Speaker Write Up	Feb 6th
6	Feb 12th	Topics: Food Processing	Pick Recommendation Paper Topic	Feb 15th
7	Feb 19th	Topics: Food Retailing	News Article Assignment/ Guest Speaker Write Up	Feb 22nd

8	Feb 26th	Topics: Trade	News Article Assignment/ Guest Speaker Write Up	Feb 29th
9	Mar 4th	Issues Paper and presentation	Issues and Recommendations Paper	March 5th
10	Mar 11th	Spring Break	None	
11	Mar 18th	Special Topics: Diversity, Inclusion, Equity and Justice in Agriculture and Food	News Article Assignment/ Guest Speaker Write Up	March 21st
12	Mar 25th	Special Topics: Cannabis Policy and Markets	News Article Assignment/ Guest Speaker Write Up/Group Lecture Notes	March 28th
13	April 1st	Special Topics: AI in Agriculture	News Article Assignment/ Guest Speaker Write Up/Group Lecture Notes	April 4th
14	April 8th	Special Topics: Brewing	News Article Assignment/ Guest Speaker Write Up/Group Lecture Notes	April 11th
15	April 15th	Special Topics: TBD		
16	April 22th	Presentation	Group Project	April 23rd



Sample Reading List

- Arita, S., Grant, J., & Sydow, S. (2021). Has Covid-19 caused a great trade collapse? An initial ex post assessment. *Choices*, 36(3), 1-10.
- Arora, G., Feng, H., Anderson, C. J., & Hennessy, D. A. (2020). Evidence of climate change impacts on crop comparative advantage and land use. *Agricultural Economics*, 51(2), 221-236.
- Bekkerman, A., Brester, G. W., & Ripplinger, D. (2020). The history, consolidation, and future of the US nitrogen fertilizer production industry. *Choices*, 35(2), 1-7.
- Berning, J., & McCullough, M. P. (2017). The US brewing industry from farm to pint. *Choices*, 32(3), 1-7.
- Chenarides, L., Manfredo, M., & Richards, T. J. (2021). COVID-19 and food supply chains. *Applied Economic Perspectives and Policy*, 43(1), 270-279.
- Clapp, J. The problem with growing corporate concentration and power in the global food system. *Nature Food* 2, 404–408 (2021). <https://doi.org/10.1038/s43016-021-00297-7>
- Claassen, R., & Ribaud, M. (2016). Cost-effective conservation programs for sustaining environmental quality. *Choices*, 31(3), 1-12.
- Copeland, R. W. (2013). In the beginning: origins of African American real property ownership in the United States. *Journal of Black Studies*, 44(6), 646-664.
- Cowan, T., & Feder, J. (2008). The Pigford case: USDA settlement of a discrimination suit by black farmers. Congressional Research Service, Library of Congress.
- Diffenbaugh, N. S., Hertel, T. W., Scherer, M., & Verma, M. (2012). Response of corn markets to climate volatility under alternative energy futures. *Nature Climate Change*, 2(7), 514-518.
- Diffenbaugh, N. S., Davenport, F. V., & Burke, M. (2021). Historical warming has increased US crop insurance losses. *Environmental Research Letters*, 16(8), 084025.
- Feder, J., & Cowan, T. (2013). Garcia v. Vilsack: A policy and legal analysis of a USDA discrimination case. Congressional Research Service, 40988.
- Frittelli, J. (2018). Prioritizing Waterway Lock Projects: Barge Traffic Changes. Congressional Research Service, No. R45211.
- Garavaglia, C., & Swinnen, J. (2017). The craft beer revolution: An international perspective. *Choices*, 32(3), 1-8.
- Giri, A., Peterson, E. W. F., Sharma, S., & Tetteh, I. (2020). Ex-Post Analysis of the 2018 and 2019 Market Facilitation Programs. *Choices*, 35(3), 1-12.

- Glenna, L. L., & Jussaume Jr, R. A. (2010). Social equity and the genetically engineered crops controversy. *Choices*, 25(316-2016-6921), 1-11.
- Grant, J., Arita, S., Emlinger, C., Sydow, S., & Marchant, M. A. (2019). The 2018–2019 Trade Conflict. *Choices*, 34(4), 1-8.
- Henrickson, K. E., & Wilson, W. W. (2015). Agricultural transportation by rail: Consolidation, competition and fuel prices. *Choices*, 30(3), 1-7.
- Hornbeck, R., & Keskin, P. (2014). The historically evolving impact of the Ogallala aquifer: Agricultural adaptation to groundwater and drought. *American Economic Journal: Applied Economics*, 6(1), 190-219.
- Houser T, Hsiang S, Kopp R, Larsen K, Delgado M, Jina A, Mastrandrea M, Mohan S, Muir-Wood R, Rasmussen DJ, Rising J. Economic risks of climate change: an American prospectus. Columbia University Press; 2015 Aug 18.
- Kavousi, P., Giamo, T., Arnold, G., Alliende, M., Huynh, E., Lea, J., ... & Taylor, K. (2022). What do we know about opportunities and challenges for localities from Cannabis legalization? *Review of Policy Research*, 39(2), 143-169.
- Kuijpers, D., Simmons, V., & Van Wamelen, J. (2018). Reviving grocery retail: Six imperatives. McKinsey & Company. Available online at: <https://www.mckinsey.com/industries/retail/our-insights/reviving-grocery-retail-six-imperatives>
- Kuwayama, Y., Thompson, A., Bernknopf, R., Zaitchik, B., & Vail, P. (2019). Estimating the impact of drought on agriculture using the US Drought Monitor. *American Journal of Agricultural Economics*, 101(1), 193-210.
- NASDA (2022). NASDA Policy Statements. February. Available online at: <https://s3.amazonaws.com/nasda2/media/NASDAPolicyStatements22.0216.pdf?mtime=20220325180232>
- Perry, E. D., Yu, J., & Tack, J. (2020). Using insurance data to quantify the multidimensional impacts of warming temperatures on yield risk. *Nature communications*, 11(1), 1-9.
- Plakias, Z., Jodlowski, M., Giamo, T., Kavousi, P., & Taylor, K. (2021). On the money: characterizing banking and lending in the California cannabis industry. *Agricultural Finance Review* 82(2): 214-246, DOI 10.1108/AFR-06-2021-0075.
- Read, A. and L. Gong. 2022. States Considering Range of Options to Bring Broadband to Rural America. Pew Charitable Trusts, March 29. Available online at: <https://www.pewtrusts.org/en/research-and-analysis/articles/2022/03/29/states-considering-range-of-options-to-bring-broadband-to-rural-america>.

Schnitkey, G. D., Paulson, N. D., Irwin, S. H., Coppess, J., Sherrick, B. J., Swanson, K. J., ... & Hubbs, T. (2021). Coronavirus Impacts on Midwestern Row-Crop Agriculture. *Applied Economic Perspectives and Policy*, 43(1), 280-291.

Tack, J., Coble, K., & Barnett, B. (2018). Warming temperatures will likely induce higher premium rates and government outlays for the US crop insurance program. *Agricultural economics*, 49(5), 635-647.

Tack, J., Barkley, A., & Nalley, L. L. (2015). Effect of warming temperatures on US wheat yields. *Proceedings of the National Academy of Sciences*, 112(22), 6931-6936.

Thilmany, D., Canales, E., Low, S. A., & Boys, K. (2021). Local food supply chain dynamics and resilience during COVID-19. *Applied Economic Perspectives and Policy*, 43(1), 86-104.

Thompson, N.M., M.N. Hughes, E.K.M. Nuworsu, C.J. Reeling, S.D. Armstrong, J.R. Mintert, M.R. Langemeier, N.D. DeLay, and K.A. Fostertry. 2022. "Opportunities and Challenges Associated with "Carbon Farming" for U.S. Row-Crop Producers" *Choices*. Quarter 3. Available online: <https://www.choicesmagazine.org/choices-magazine/submitted-articles/opportunities-and-challenges-associated-with-carbon-farming-for-us-row-crop-producers>

Volpe, R., Jaenicke, E. C., & Chenarides, L. (2018). Store formats, market structure, and consumers' food shopping decisions. *Applied Economic Perspectives and Policy*, 40(4), 672-694.

Wilson, S., Bodwitch, H., Carah, J., Daane, K., Getz, C., Grantham, T., & Butsic, V. (2019). First known survey of cannabis production practices in California. *California Agriculture*, 73(3), 119-127.

Wilson, N. (2022). Presidential Address. Agricultural and Applied Economics Association, August 1.

Wolfenbarger, L. L., Owen, M. D., & Carrière, Y. (2010). Environmental Opportunities and Challenges of Genetically-Engineered Crops. *Choices*, 25(2).

Younes, H., Noland, R. B., & Zhang, W. (2022). Browsing for food: Will COVID-induced online grocery delivery persist? *Regional Science Policy & Practice*. DOI: 10.1111/rsp3.12542

Zentes, J., Morschett, D., & Schramm-Klein, H. (2011). Retail Formats—Food. In Strategic Retail Management (pp. 25-47). Gabler Verlag.