

Key Highlights and Timeline for MACA/MACPA

1958

- First president is Herbert Woodbury, Woodbury Chemical.

1960

- First Annual Meeting held – Kansas City, Missouri

1967

- December 1, 1967 - Midwest Agricultural Chemicals Association (MACA) is incorporated.

1969

- Winton Etchen, executive director of the Iowa Fertilizer & Chemical Association is hired to serve as part-time executive secretary of MACPA.

1974

- The Educator's Award was begun as a Board of Director's award. The first recipient was Bob Roselle of the University of Nebraska Extension Entomologist.

1978

- Winton Etchen retires and Wayman Lipsey is hired as part time Executive Director on March 1, 1978.

1981

- September 1981 - Dr. Ephraim E. (Ev) Waller hired as Executive Secretary of MACA and opened full time office in Sioux City, Iowa.

1982

- Dean Roy Achievement Award started with Keith Boyer of Brayton, the first recipient.
- The Special Media Award was first presented to Charlotte Sine of Farm Chemicals Magazine. The Special Media Award was later renamed Ruth White Media Award in honor of Leav White's wife. Leav had served as communications consultant to MACA from 1981-1992.
- The Industry Vision Award was first presented to Ray Smedul of Chevron.

1983

- MACA celebrates 25th anniversary at the Annual Meeting in Lake Geneva, Wisconsin.

1986

- **MACA-75** (12/1986) – Developed manufacturer specification and user guidelines for portable agri-chemical tanks for liquid pesticides and other agri-chemicals not subject to U.S. DOT specification packaging.
- Water Issues Seminar was held.

1989

- **Groundwater References** – developed brochure with listing of references.

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1990

- **Environment Resource Directory** – first published, is a collection of printed and audio/visual materials available pertaining to safe pesticide handling, environmental contamination prevention, and other related issues.
- **Fundamental Principles for Ag Chemical Storage** – work began to create brochure that provides basic information for storing and handling ag chemicals.

1991

- **Water Guardian Award** (1991) - MACA sponsors the award and works with state associations to recognize agricultural businesses and individuals that project a positive image by promoting environmental stewardship of the crop protection industry, concern about the quality of the nation's water supply and overall protection of the environment.

1992

- **Environmental Resource Directory** – updated.
- **MACA-75 Amended** (7/1/1992) - brochure for manufacturer specification and user guidelines for liquid pesticides and other agri-chemicals not subject to U.S. DOT specification packaging was amended.

1993

- **MACA-25** (8/5/93) – developed manufacturer specification and user guidelines, for refillable container (5-60 gallons) liquid pesticides and other agri-chemicals.
- **Fundamental Principles for Ag Chemical Storage** – approved September 11, 1993 by developing brochure that provides basic information for storing and handling ag chemicals.
- Ambassador of the Year award first presented to Dan Stork, Sr., Marketing Rep of Ciba.

1994

- **Environmental Resource Directory** – a product of D-Base 90s
- **The How To's of Ag Chemical Storage** – developed and distributed brochure to assist the distributor and dealer in upgrading or building their package chemical warehouse to meet industry guidelines. Approved May 19, 1994.

1995

- September 1995 - MACA changes name to Mid America Crop Protection Association (MACPA).
- September 1995 – Dr. Ev Waller retires as MACA Executive Director
- **Food Safety Resource Directory** – developed and distributed
- First Ambassador Coordinator, Debbie Rudin, starts working June 15.

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1996

- **Water Issues-Commonly Asked questions about Water and Crop Protection**, March 1996 developed and distributed.
- **J.D. Information Services, Inc.** – retained services starting April 1 as water consultant. Cooperative effort with American Crop Protection Association.
- **Bonnie McCarvel** hired as MACPA Executive Director and moved office to St. Louis, Missouri - May 15, 1996.
- **What's in the Works for Water?** – hosted seminar for MACA members, agricultural interest groups interested in regional water initiatives.
- **Environmental Resources Directory** (10/1996) – a collection of printed audio/visual materials available pertaining to safe pesticide handling, environmental contamination prevention and other related issues for grade school children.

1997

- **A Career in Precision Agriculture** – developed and distributed 12 minutes video that features various industry recruiters explaining the technical aspects of ag retail and the educations opportunities available to prepare potential employees for this technical field.
- **Careers in Precision Ag** – developed and distributed a brochure that provides information about training and scholarships for preparing for a career in precision agriculture.
- **Mid America State Issues Summit** – developed and produced program focuses on TMDLs, state action plans, spray drift, remediation program and environmental audit.

1998

- **State Issues Summit** – developed program for all 13 state associations to meet and discuss issues. Key topics were changes to the Food Quality Protection Act, Clean Water Act Reauthorization, transportation update, and non-point TMDL issue management.
- **Field Marking Identification System** – developed a system to mark field boundaries, track field events and ensure correct applications of crop protection products.
- **Precision Agriculture Resource Directory** – collection of sources of information o precision agriculture technology developed and distributed.
- **Responsible Crop Protection Product Standards** – approved 11/5/98. Developed standards for businesses and employees that provide agriculture product services to promote environmental stewardship to ensure a safe and abundant food supply.

1999

- **Responsible Crop Protection Product Stewardship Poster** - Developed and distributed.
- **Field Marking ID system** – Developed standards and then developed brochure and distributed.

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- **Crop Protection Warehouse Storage Standards Survey** - Updated and distributed.

2000

- **WeatherPlot®** – Developed and marketed site-specific weather data history program, with Meridian Environmental Technologies, Inc., for members to use at a discounted price.
- **Federal Water Quality Coalition** – became a member of the coalition which covers issues such as :
 - Total Maximum Daily Load (TMDL)
 - Endangered Species
 - Advanced Notice of Proposed Rulemaking concerning the Clean Water Act Regulatory Definition of “Waters of the United States”
 - Proposed Clean Water Act Detection and Quantization Procedures
 - Draft Guidance for Pesticide Registrants on New Labeling Statements for Spray and Dust Drift Label Statements for Pesticide Products
 - Other key issues.
- **The Water Issues** – developed and marketed classroom Power Point presentation for Ambassador program.
- **Biotechnology in Agriculture** – developed and marketed classroom Power Point presentation for Ambassador program.
- **Careers in Crop Protection** – developed and marketed classroom Power Point presentation for Ambassador program.
- **Agriculture & Food Safety** – developed and marketed classroom Power Point presentation for Ambassador program.

2001

- **Agricultural Field Crops Pesticide Fees** – a matrix comparing the various fees in the 13 Midwestern states. Used as a reference for the respective member companies and state associations.
- **The “How To’s” with Respect to Fundamental Principles of Packaged Crop Protection Storage** – developed and distributed.
- **America’s Abundance, a Thanksgiving Lesson** – developed and marketed classroom Power Point presentation for Ambassador program.
- **Biotechnology in Agriculture** – updated and marketed classroom Power Point presentation for Ambassador program.
- **Environmental Stewardship & Agriculture, an Earth Day message** – developed and marketed classroom Power Point presentation for Ambassador program.

2002

- June 10 - MACPA changes name to Mid America CropLife Association (MACA).
- **“Survey Form for Public Warehousing of Crop Protection Products”** updated & distributed.

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2003

- **Homeland Security Seminar** (11/03) - developed and produced seminar which featured 13 speakers from government agencies and industry representatives. 89 people from 26 states attended the seminar. That included 32 MACA member companies having a person in attendance.
- **CropLife Ambassador Network** - providing scientifically based and accurate information regarding the safety and value of American agricultural food production. For calendar year, more than 1,950 elementary students learned about agriculture and the benefits of crop protection products.
 - Janet Braun, Braun Consulting, began work as coordinator December 3, 2003,

2004

- **Fundamental Principles of Product Traceability** (9/04) – developed basics components of a traceability system.
- **Fundamental Principles for Ag Chemical Storage** – updated in August 2004 brochure that provides basic information for storing and handling ag chemicals.
- **CropLife Ambassador Network** – providing scientifically based and accurate information regarding the safety and value of American agricultural food production. For calendar year, more than 3,400 elementary students learned about agriculture and the benefits of crop protection products.
 - Developed standardized lesson plans for “Feeding Planet Earth and America’s Abundance” – for teachers to use when using Ambassador program presentations.
- **Stewardship & Industry Leadership Conference** (11/04) –MACA hosted for state associations in region and MACA state affairs and regulatory affairs members to be updated on biotech, product integrity, and other current issues.

2005

- **The Extra S.T.E.P. Award** – The award was started this year and is designed to recognize an entity that goes above and beyond the requirements of the respective 13 states. The nominee is already meeting the state and federal laws but takes the extra step to ensure good stewardship in their community.
- **CropLife Ambassador Network** – providing scientifically based and accurate information regarding the safety and value of American agricultural food production. For calendar year, more than 4,400 elementary students learned about agriculture and the benefits of crop protection products.

2006

- **Right-to-Know Chemical Inventory Project** (2/06) – work is begun on project.
- **Traceability Implementation Project** (2/06) – project work is under review.

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- **Stewardship & Traceability Seminar (2/06)** – The goal of the seminar was to provide information, awareness and solutions on stewardship and traceability issues impacting the crop protection industry.
- **RISE** – MACA became an associate member of RISE in April 2006.
- **America's Abundance** – updated Power Point presentation for CropLife Ambassador program.
- **CropLife Ambassador Network** – providing scientifically based and accurate information regarding the safety and value of American agricultural food production. For calendar year, more than 6,500 elementary students learned about agriculture and the benefits of crop protection products.
 - **Environmental Stewardship & Agriculture** – revised PP presentation for CropLife Ambassador program.
 - **Farmers – Stewards of the Land** – developed PP presentation and marketed to teachers to use the CropLife Ambassador Speakers program.

2007

- **Traceability Implementation Project (TIP)**. This test project partners MACA with three retailers to trace products and provide measurable returns on investments for participants. The three retailers are: Vogel Seed, Hamburg, Iowa; Reddy Ag Service, Stitzer, Wisconsin; Cooperative Supply, Dodge, Nebraska; and Pelgrow, Atlantic, Iowa served as the standard for measure.
- **Chemical data access security**. Another critical MACA project concerns the security of agricultural chemical data access. In coordination with CropLife America, MACA is sharing concerns about ag chemical data access directly with the Department of Homeland Security.
- **Public Warehousing** – MACA has updated the Survey Form for Public Warehousing of Crop Protection Products.
- **Container Management**. MACA submitted comments to the EPA to reconsider the container rule change and cost-out the impact of ACRC. The rules, which had been under review and discussion for 17 years, ran into serious difficulties due to technical and policy objections at the EPA.
- **Jack Dutra**, JD Information Services, named Honorary Lifetime Member of CropLife America.
- **Janet Braun**, CropLife Ambassador Coordinator named CropLife America Ambassador of the Year.
- **Feeding Planet Earth** – elementary Classroom Unit on Modern American Agriculture for Grades 3-6 produced and marketed by CropLife Ambassador Network program.
- **Extra S.T.E.P. award** – The award is designed to recognize an entity that goes above and beyond the requirements of the respective 13 Midwestern states. The nominee is already meeting the state and federal laws but takes the extra step to ensure good stewardship in their community.

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- **CropLife Ambassador Network** – providing scientifically based and accurate information regarding the safety and value of American agricultural food production. This past year, more than 5,900 elementary students learned about agriculture and the benefits of crop protection products.
 - **Feeding Planet Earth** – standardized lesson plans developed and distributed for grades 3-6.
 - **Farm Fueled** – developed PP presentation and marketed to teachers to use the CropLife Ambassador Speakers program.

2008

- **Mary Jane Stankiewicz**, J.D., Kansas Ag Retailers Association, selected to serve as Water Consultant upon Jack Dutra, J.D. Information Services, Inc. retirement.
- **WeatherPlot®** – is now in its eighth year of service to members.
- **Traceability Implementation Project (TIP)**. This test project is in the second year of testing and gathering information to trace products and provide measurable returns.
- **MACA celebrates its 50th anniversary** – at the MACA Annual Meeting September 2-3-4, 2008 in Indianapolis, Indiana. Membership stands at 65 member companies with 16 basic manufacturers, 17 formulator/distributors, and 31 allied members.
- **CropLife Ambassador Network** – providing scientifically based and accurate information regarding the safety and value of American agricultural food production. For calendar year, more than 7,000 elementary students learned about agriculture and the benefits of crop protection products.
 - **Careers in Agriculture** – updated PP presentation for CropLife Ambassador program.
 - **War of the Weeds** – created an elementary version of this PP presentation, which was originally developed by Leonard Gianessi, CropLife America Foundation, for the CropLife Ambassador program.

2009

- **Mini-Bulk Recycling Summit** – hosted November 10-11, 2009 in St. Louis, Missouri with more than 80 people attending representing distributors, state associations, basic manufacturers, regulatory, and vendors.
- **U.S. EPA Letter.** – MACA submitted a letter to the U.S. EPA Administrator Lisa Jackson regarding the 6th Circuit Court of appeals Ruling on Pesticide Applications. The Court vacated the EPA's 2007 rule which exempted certain pesticide applications that are compliant with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) from the Nation Pollution Discharge Elimination System (NPDES) provisions of the Clean Water Act (CWA). The precedent setting implications of this decision will very likely result in a national policy from EPA pertaining to the need for NPDES permits for pesticide applications.
- **Traceability Implementation Project (TIP)** – released a video to demonstrate how the "Traceability Implementation Project" can provide quantitative and qualitative values of traceability to the entire distribution channel

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- **Educational outreach** – reached out to 7,800 “future consumers” by way of the CropLife Ambassador Network (C.A.N.) making classroom visits to provide scientifically based and accurate information regarding the safety and value of American agricultural food production. The 4th through 6th graders were targeted in the 13 Midwestern states.
- **The Extra S.T.E.P. Award** – started in 2005, the award recognizes entities going above and beyond the requirements of the respective 13 MACA states. Kansas Agribusiness Retailers Association and Nebraska Agri-Business Association participated.

2010

- **Public Warehousing** – the “Survey Form for Safe Storage of Crop Protection Products” or SACS survey was completed and posted on the members’ only portion of the website. This key document provides assistance in evaluating a public warehouses’ qualifications to receive, store, and ship crop protection products and identify areas for improving safety.
- **DOT HAZMAT Training Video** – updated a safety program for Department of Transportation (DOT) General Awareness-Function Specific training. It is specific to hazmat chemicals used in the agricultural arena. The video for the four areas is available to MACA members on the website at no charge.
- **Traceability Implementation Project (TIP)** – revised video and posted on the MACA website to demonstrate how the “Traceability Implementation Project” can provide quantitative and qualitative values of traceability to the entire distribution channel
- **Educational Outreach** – reached out to 8,500 “future consumers” via 45 members of the CropLife Ambassador Network (C.A.N.) who made classroom visits.
- **The Extra S.T.E.P. Award** – Missouri Agri Business Association (MO-AG) and Nebraska Agri-Business Association participated in this awards program in 2010.

2011

- **Mini-Bulk Summit – Part 2** – Hosted more than 100 participants June 7-8, 2011, representing 56 entities from 24 states to learn about the new mini-bulk rules and regulations from the U.S. EPA office which became effective on August 16, 2011. Nancy Fitz Chemical Engineer, US EPA, Office of Pesticide Programs was a speaker and participated in the summit which included display of “Container Identification & Problems” at Tri-Rinse, Inc.
- **Supported efforts** – EPA proposed regulations but MACA supported CropLife America to intervene in the Center for Biological Diversity and Pesticide Action Network North America lawsuit filed in federal district court against EPA.
 - MACA signed a letter to the Environmental Protection Agency regarding federal numeric nutrient criteria for Florida’s rivers and lakes.
 - MACA also submitted comments to EPA on Water Quality Standard Regulations.

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- MACA collaborated efforts with allies: Agricultural Nutrient Policy Council, Federal Water Quality Coalition, Council of Great Lakes Industries and CropLife America.
- **Educational Outreach.** Reached out to 4,800 “future consumers” via members of the CropLife Ambassador Network (C.A.N.) who made classroom visits.

2012

- **Seed Warehouse & Distribution Center Audit** – Developed by MACA’s Distribution and Environment Committee members now have access to a professional document evaluating 3rd party public warehouses’ capabilities to receive, store, inventory, and ship seed products.
- **Water Consultant Services** – MACA has contracted with MO-AG’s Steve Taylor as lead professional monitoring Midwest water issues while coordinating efforts with other key stakeholders, including the Federal Water Quality Coalition (FWQC); Council of Great Lakes Industries (CGLI); CropLife America (CLA); Agricultural Nutrient Policy Council (ANPC); The Fertilizer Institute (TFI); and state ag chemical associations in MACA’s 13-state area.
- **Educational Outreach** – Led by new CropLife Ambassador Program Manager Diane Orf, MACA’s CropLife Ambassador Network (C.A.N.) member volunteer classroom efforts reached more than 5,100 ‘future consumers’ with scientifically-based agricultural information geared for 4th through 6th grade students.
- **Member Recruitment** – Two companies – Olympus Seed Treatment Formulator and MicroMatic - have been added to MACA’s Member Directory.
- **Annual Meeting** – MACA’s meeting was held in Omaha, Nebraska. The gathering in early September once offered valuable private meeting opportunities and great speakers while attending to business and relationship-building heading into 2013.

2013

- **Young Leader Scholarship Program** – This year MACA initiated a scholarship program, directed by the Crop Production Issues Committee, for ag students attending land grant colleges in its 13-state region, and 12 students were awarded scholarships based on grades, demonstrated leadership, and summer internships. In addition, this group attended and participated in MACA’s Annual Meeting in Denver, providing member companies’ opportunities to promote themselves as career destinations while giving scholarship recipients and member attendees’ chances to learn what each can expect from each other in future working environments.
- **CropLife Ambassador Network Program (C.A.N.)** – Thirty-nine ambassadors made 93 presentations to nearly 6,000 students to generate public awareness and appreciation for American agriculture at 4th to 6th grade school levels.
- **Annual Meeting** – Held in Broomfield, Colorado the Annual Meeting Committee, again provided a location for member companies to maximize both attendance and business contact opportunities. MACA’s “business friendly format” featured

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guest speakers providing insight into industry trends, while fostering an excellent venue for members to conduct business.

- **Distribution & Environment (D&E)** – MACA's D&E Committee continues developing industry materials for the warehouse storage and transportation of crop protection products and seed while updating membership on ever-changing federal transportation rules and regulations.
- **MACA Water Consultant** – MACA contracts with the Missouri Agribusiness Association (MO-AG) to have Steve Taylor serve as the water consultant to monitor water issues impacting the Midwest and reports to the Regulatory and Environmental issues Committee. Steve coordinates efforts with the Federal Water Quality Coalition (FWQC), Council of Great Lakes Industries (CGLI), CropLife America (CLA), Agricultural Nutrient Policy Council (ANPC), The Fertilizer Institute (TFI), the Agricultural Retailers Association (ARA), and state ag chemical associations in MACA's region, saving members' resources while protecting their interests.
- **New Members** – Recruited six new members including Agrian, Container Services Network, Context Networking, Helm Agro, IBC North America and Morris Bixby.

2014

- **Young Leader Scholarship Program** – Twelve students awarded scholarships based on grades, demonstrated leadership, and summer internships. In addition, this group attended and participated in MACA's Annual Meeting in Indianapolis.
- **CropLife Ambassador Network Program (C.A.N.)** –37 ambassadors made 67 presentations to more than 4,800 students!
- **Annual Meeting** – Held in Indianapolis, Indiana. MACA's "business friendly format" featured guest speakers including Patrick Moore, a one-time member of Green Peace who spends much of his time now promoting the advancement of agriculture, Terry Barr from CoBank, and an industry panel featuring four company leaders providing insight into industry trends.
- **New Members** – Recruited five new members including Arysta Life Science North America, Farm Market iD, Flowserve, Gray Logistics, LLC, and Pony Express Warehousing, LLC. Total 2014 MACA membership 66 companies.
- **Distribution & Environment Committee (D&E)** – MACA's D&E Committee were updated by OSHA on Global Harmonization System of Classification & Labeling of Contacts which is more commonly referred to as GHS.
- **MACA Water Consultant** – MACA contracts with the Missouri Agribusiness Association (MO-AG) to have Steve Taylor serve as the water consultant to monitor water issues impacting the Midwest and coordinates efforts with six groups including the Federal Water Quality Coalition (FWQC), Council of Great Lakes Industries (CGLI), CropLife America (CLA), Agricultural Nutrient Policy Council (ANPC), The Fertilizer Institute (TFI), the Agricultural Retailers Association (ARA), and the 13 state ag chemical associations in MACA's region, saving members' resources while

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protecting their interests. Key issues include “Waters of the United States, Great Lakes Water Quality Agreement and Nutrient Runoff.”

2015

- **Young Leader Scholarship Program** – Third year for the MACA scholarship program, directed by the Crop Production Issues Committee. Ten students were awarded scholarships.
- **CropLife Ambassador Network Program (C.A.N.)** – 45 ambassadors made 66 presentations to more than 4,500 students in 12 states!
- **Annual Meeting** – The meeting was held in Chicago, Illinois with more than 165 participants attending and featured guest speakers including Charlie Arnot, from The Center for Food Integrity; David Lehman from CME Group, and an industry panel featuring three distributor leaders providing insight into industry trends.
- **New Members** – Recruited two new members including Summit Agriculture Group and UPI. Total 2015 MACA membership 61 companies.
- **Distribution & Environment Committee (D&E)** – Continues developing industry materials for the warehouse storage and transportation of crop protection products and seed while updating membership on ever-changing federal transportation rules and regulations. Started the process of updating the Survey Form for Safe Storage of Crop Protection Products, commonly referred to as the SACs Survey, and the MACA Seed Warehouse & Distribution Audit.
- **MACA Water Consultant** – MACA contracts with the Missouri Agribusiness Association (MO-AG) to have Steve Taylor serve as the water consultant to monitor water issues impacting the Midwest and reports to the Regulatory and Environmental Issues Committee. Steve coordinates efforts with six groups including the Federal Water Quality Coalition (FWQC), Council of Great Lakes Industries (CGLI), CropLife America (CLA), Agricultural Nutrient Policy Council (ANPC), The Fertilizer Institute (TFI), the Agricultural Retailers Association (ARA), and the 13-state ag chemical associations in MACA’s region, saving members’ resources while protecting their interests.

2016

- **Young Leader Scholarship Program** – This was the fourth year for the MACA scholarship program, directed by the Crop Production Issues Committee, for students attending land grant colleges in its 13-state region. Ten students were awarded scholarships
- **CropLife Ambassador Network Program (C.A.N.)** – 80 ambassadors gave 109 presentations to more than 6,000 students.
- **New Members** – Recruited five new members including Ag Depot, KALO, Mid-America Merchandising, Inc., Tide International USA, Inc., and Willowood USA . Total 2016 MACA membership is 58 companies.

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- **Distribution & Environment Committee (D&E)** – Completed the process of updating the Survey Form for Safe Storage of Crop Protection Products, commonly referred to as the SACs Survey, and merging it with the MACA Seed Warehouse & Distribution Audit to create the Survey Form for Warehousing of Crop Protection Products and Seed. Started work on updating the videos for hazmat chemicals used in the agricultural arena.
- **Annual Meeting** – More than 150 people attended the meeting held in Bloomington, Minnesota and took part in the program, golf tournament and tour of US Bank Stadium, home of the Minnesota Vikings.
- **Numeric Nutrient Criteria** - MACA joined with others in a lawsuit that stopped numeric nutrient criteria being forced upon States in the Mississippi River Basin.

2017

- **Survey Form for Warehousing of Crop Protection Products and Seed**, which was the combination of the Survey Form for Safe Storage of Crop Protection Products, or SACs Survey, and the MACA Seed Warehouse & Distribution Audit, were made available to download from the MACA website to members for free.
- **Pesticide Waste Disposal Seminar** – held November 8 and focused on the disposal of unsaleable pesticide products in distribution. Seven speakers presented timely information for nearly 60 attendees which represented 28 MACA member companies plus several non-members. The presentations were posted on the MACA website
- **Long Range Plan** – was updated and modified to be reflective of ongoing changes in the crop protection industry. The plan included restructuring committee responsibilities which resulted in one committee being eliminated and two other committee responsibilities were updated and modified to ensure better coordination and efficiency.
- **Recruited three new members** - CNI, G. Phillips & Sons and Green Leaf, Inc. Total 2017 MACA membership is 57 companies.
- **CropLife Ambassador Network Program (C.A.N.)** – 55 ambassadors gave 84 presentations to more than 6,000 students.
- **Young Leader Scholarship Program** – This was the fifth year for the MACA scholarship program, directed by the Industry Communications Committee, for students attending land grant colleges in its 13-state region. Eleven students were awarded scholarships based on grades, demonstrated leadership, and summer internships.
- **Toured Eckert's Family Farms** in Belleville to see first-hand what they do.. MACA members learned about high tunnel tomatoes, high density apples and rotating trellis blackberries.
- **MACA Annual Meeting** - Nearly 175 people attended the meeting in Kansas City and heard speakers, participated in meetings, took part in the golf tournament or the Bayer CropScience Cave tour.
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2018

- **Pollinator Educational Forum** held June 6 at Monsanto Research Campus, Chesterfield, MO. Featured bee experts from six member companies:
 - **Joe Wisk** (BASF)
 - **Sarah Myers** (Bayer CropScience)
 - **Ray Brinkmeyer** (Corteva Agriscience™ Agriculture Division of DowDuPont™)
 - **Jerry Hayes** (Monsanto)
 - **Caydee Savinelli** (Syngenta)
 - **Dan Fay** (Valent)
 - **Kellie Bray** (CropLife America)

The speakers shared what each company was doing to improve pollinator health and why pollinators are so important. In addition, the MACA attendees suited up to see bees up-close on the Monsanto campus.

- **Distribution & Environment Committee (D&E)** continued work on a Q&A Guideline Sheet for the industry to use.
- **Water Issues** – MACA's Water Consultant Steve Taylor monitors water issues impacting the Midwest and reports to the Production & Environmental Stewardship (PES) Committee. Steve coordinates efforts with six groups including the Federal Water Quality Coalition (FWQC), Council of Great Lakes Industries (CGLI), CropLife America (CLA), Agricultural Nutrient Policy Council (ANPC), The Fertilizer Institute (TFI), the Agricultural Retailers Association (ARA), and the 13-state ag chemical associations in MACA's region, saving members' resources while protecting their interests. Current Issues MACA is monitoring include: Waters of the United States, (WOTUS), Great Lakes Water Quality Agreement and Nutrient runoff.
- **Young Leader Scholarship Program** – This was the sixth year for the MACA scholarship program, and thirteen students were awarded scholarships
- **CropLife Ambassador Network Program (C.A.N.)** –55 ambassadors gave 88 presentations to more than 6,300 students! This year a new presentation the "Buzz about Bees" was developed for use by Ambassadors. 200 people have signed up to serve as an ambassador.
- **New Members** – This year four new members were recruited including the Ag Container Recycling Council (ACRC), Belchim Crop Protection, Missouri Corn Growers Association and Spectrum Technologies. Total 2018 MACA membership is 61 companies.
- **Industry Communications Committee** – developed a membership marketing piece, a HAZMAT Video Training marketing piece, and an industry pollinator update.
- **Annual Meeting** – 165 people register for the meeting held in Des Moines Iowa, and heard speakers, participated in customer meetings, some attended the industry tour held at the Corteva research facility. Golf was to be held at Albaugh's golf course but was cancelled due to rain and flooding.

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2019

- **Pesticide Disposition Flow Chart** developed by MACA's D&E Committee. It – provides a broad outline and general guidance to the user on the possible evaluation steps and actions to properly and effectively management pesticide waste in the distribution network.
- **'Sustainability – What Can We Do about It?'** was the forum theme held November 5-6. Michelle Miller, Farm Babe™, kicked off the forum with her presentation, *Food System Security – Feeding the World*. Another 10 speakers would provide facts and figures for their respective programs. Attendees included representatives from 20 member companies.
- **Pollinator Educational Forum** developed by MACA's Production and Environmental Stewardship (PES) was held in June and featured six industry experts, plus CropLife America, discussing the importance of bees and the work they are doing to improve and maintain pollinator health.
- **MACA's Water Consultant Steve Taylor** monitored water issues impacting the Midwest and coordinated efforts with six groups including the Federal Water Quality Coalition (FWQC), Council of Great Lakes Industries (CGLI), CropLife America (CLA), Agricultural Nutrient Policy Council (ANPC), The Fertilizer Institute (TFI), the Agricultural Retailers Association (ARA), and the 13-state ag chemical associations in MACA's region.
- **Young Leader Scholarship Program** continued thirteen students selected for the program. Since its inception in 2013, 68 students have been a part of the program including the 13 students from the 2018 class who are working on their undergraduate degrees.
- **CropLife Ambassador Network Program (C.A.N.)** with sharing 55 ambassadors making 88 presentations to more than 6,300 students! A new presentation, the "Buzz about Bees," was developed for use by Ambassadors. 200 people have signed up to serve as an ambassador.
- **New Members** – This year four new member companies were recruited: Ag Container Recycling Council (ACRC), Belchim Crop Protection, Missouri Corn Growers Association and Spectrum Technologies. Total 2018 MACA membership is 61 companies.
- **Annual Meeting** – 145 people registered for the meeting held in Indianapolis, IN. The speakers, combined with the format, fostered an excellent venue for members to conduct business and gather information to assist with their job. The industry tour was at Schuetz Containers and golf at the Fort Golf Course.

2020

- **Distribution & Environment Committee (D&E)** continues developing industry materials for the warehouse storage and transportation of crop protection products and seed while updating membership on ever-changing federal transportation rules and regulations. Topic specific speakers provided updates at the quarterly meetings related to regulatory updates and U.S. Department of Transportation issues.

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- **Production & Environmental Stewardship (PES)** committee continues to focus on water with MACA's Water Consultant, Steve Taylor, monitors water issues impacting the Midwest and coordinates efforts with six groups.
- **'Monthly Water Update'** was the result of the water focus and the need to communicate with members. Thus, a monthly update on water issue(s) was written by the water consultant and distributed via email to the membership.
- **"Sustainability , Water Quality and Tariffs. What's the Future Look Like?"** was the title of the presentation made by the National Corn Growers Association at the February 2020 quarterly meeting.
- **Young Leader Scholarship Program** – continued with eleven students awarded scholarships..
- **CropLife Ambassador Network Program (C.A.N.)** – for the 2019-2020 school year: 34 ambassadors gave presentations, however due to Covid-19 hitting in March 2020, many presentations were cancelled and unable to be rescheduled. As a result, 4,212 students were reached with 61 presentations with 235 people signed up to serve as an ambassador.
- **New Members** – the four new member companies are Dunavant Distribution Group LLC; Koch Agronomic Services, Epogee, and Russell Associates. Total 2020 MACA membership is 55 companies.
- **Annual Meeting** – for the first time in 60 years, MACA did not hold an in-person meeting. Rather, the 2020 meeting was held virtually and featured guest speakers including Christopher Novak, CEO & President, CropLife America; Dr. Jason Henderson, Purdue University, and Philippe De Lapérouse, HighQuest Partners. The speakers were recorded ahead of the meeting with a small group of people. In addition, each committee chair recorded a short update on their work for the year along with the President, Vice President and Executive Director. The virtual meeting was held September 8-10 and allowed members to listen to the speakers at their convenience. In addition, all sponsors were offered an opportunity to run a short video about their company for the platform app. MACA created an app for the annual meeting so that there could be more interaction.
- **Worldwide Health Pandemic** - due to Covid-19, the MACA office was closed from March 17 – July 16, 2020. Staff worked from home. In addition, all meetings were held via Zoom starting in April 2020 and continued thru 2020 that way.

2021

- **Worldwide Health Pandemic** – the pandemic continues into 2021. Vaccines have been developed and are in process of vaccinating people.
- **Lunch & Learns** – offered via Zoom featured speakers on issue specific topics as follows:
 - March 10 – CropLife America Federal Legislative Update with Kellie Bray and Beau Greenwood
 - April 14 – Water Update with MACA Water Consultant Steve Taylor and Fred Andes, J.D., Barnes & Thornburg LLP; Federal Water Quality Coalition (FWQC) Lead.
 - June 9 – US EPA Update with Steve Jeffery, J.D., Jeffery Law Group

Key Highlights and Timeline for MACA/MACPA

- July 20 – Butterflies – speaker to be confirmed
- **Young Leader Scholarship Program** – continued with eleven students awarded scholarships.