

# WESTERN HORTICULTURAL INSPECTION SOCIETY SUMMER 2018 NEWSLETTER



## Interested in Representing WHIS?

We are looking for active members to travel to other HIS chapter meetings and represent the Western States. We have an opportunity coming up for the Southern Chapter Meeting.

Applications for financial assistant are due by August 1st to [beiring@mt.gov](mailto:beiring@mt.gov). An application can be found on page 14.



## Silent

The annual meeting is coming up! As always, we will have a silent auction to help support WHIS. Please bring an item that represents your state to be sold at the auction. This is the only fundraiser that WHIS holds each year.

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# WHIS 2018 Annual Conference Agenda

## Tucson, Arizona

### Tuesday October 9<sup>th</sup> 2018

- **Travel Day.**
  - \* Guests can check into the Radisson after 3 pm
  - \* **A shuttle from the airport is \$15 per person each way. The cost can be billed to your room.**
  - \* Hospitality suite will be open to guests during the evening

### Wednesday October 10<sup>th</sup> 2018

- **Provided breakfast in main dining hall of the Radisson**
- **Travel to Civano Nursery**
  - \* Les Shipley (Nursery Owner and President of the Arizona Nursery Association) will speak about the nursery
    - ◇ An exposure and understanding of cutting edge nursery operational practices
  - \* John Caravetta (National Plant Board Vice-President and Associate Director) will speak on SANC
    - ◇ A demonstration of the value and opportunities of a system approach in recognizing points of risk in operational processes
  - \* Cheryl Goar (Arizona Nursery Association Executive Director) will speak about the Arizona nursery industry
    - ◇ An understanding of the challenges of the nursery industry in a harsh environment and the role of the Arizona industry with the nursery trade in the region
  - \* Tour the facility
  - \* Lunch at Civano Nursery after which the states will give their annual reports
- **Visit Green Valley Pecan Company**
  - \* Tour the facility and see everything from the tree nursery and groves to the finished products packed for retail
  - \* An exposure to nursery practices in a non-traditional nursery application in the production of pecan nursery trees
- **Dinner on your own**
- **Hospitality suite will be open during the evening**



# WHIS 2018 Annual Conference Agenda

## Tucson, Arizona

Thursday October 11<sup>th</sup> 2018

- **Provided breakfast in main dining hall of the Radisson**
- **Biosphere 2**
  - \* 90 minute group tour and structured time to explore the facilities' self-guided educational exhibits
  - \* Provides an exposure to sustainability and plant production practices in diverse environments
- **Enjoy a box lunch in Catalina State Park**
- **Sonoran Desert Museum,**
  - \* Group Tour and structured time to explore the facility
  - \* An exposure to the diverse Sonoran Desert environment and plant species; some of which have been adapted by the nursery trade for residential landscape
  - \* An educational opportunity in plant adaption methods through genetic transformation and environmental adaptations
- **Dinner and business meeting at the Radisson**
  - \* Sonoran style cuisine will be served at the private dining hall conveniently located on the hotel grounds
- **Hospitality suite open after meeting**



## Biosphere 2

Biosphere 2 was initially designed to demonstrate the possibility of a closed ecological system to support and maintain human life in outer space. Two experiments were conducted in Biosphere 2. One lasted 2 years (1991-1993) and the second experiment lasted 6 months (1994). Both experiments had a crew that lived in the self-contained environment and lived off of animals and crops harvested from Biosphere 2.

The biosphere contains 7 biome areas. A rainforest, ocean with a coral reef, mangrove wetlands, savannah grassland, fog desert, an agricultural area, and a human habitat with living and working spaces.

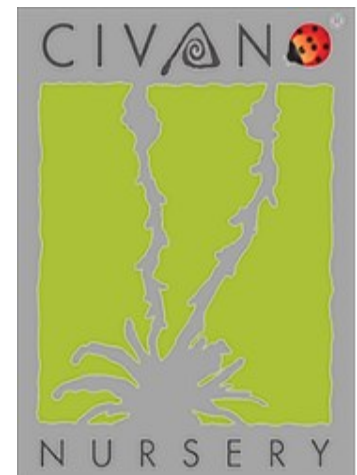
Since 2011, the University of Arizona has owned and maintained Biosphere 2. Currently the Biosphere 2 is used



## Civano Nursery

Civano Nursery offers over 600 different plants for sale. Some highlights include a diversity of cacti, succulents, agaves, yuccas and other low-moisture plants. Civano Nursery specializes on cultivating unique and new varieties that are adapted to an Arizona desert climate.

The nursery also offers traditional plants for sale including organic herbs and vegetable, fruit trees and shrubs, flowers, and other plants. Civano Nursery is a family owned and operated business since 1999.



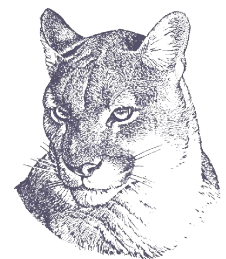
## Sonoran Desert Museum

This museum is ranked one of the top 10 museums in the country. One unique feature of the museum is that 85% of the experience is outdoors.

The museum is a fusion experience of a zoo, botanical garden, art gallery, natural history museum, and aquarium.

There are 21 interpreted acres through various desert habitats, 230 animal species, 1,200 types of plants, and one of the world's most comprehensive regional mineral collection.

Since 1952, this Museum has been the pride and joy of Tucson. The Sonoran Desert Museum prides itself for innovative presentation and interpretation of native plants and animals featured together in ecological



## **Green Valley Pecan Company**

The farm started in 1948, and since then the Walden family has expanded to over 7,000 acres to become the largest irrigated pecan orchard in the world.

Green Valley pecans are shipped all over the world and pecans grown from the Santa Cruz Valley are sought by confectioners, bakers, supermarket supplies and chains, and consumers alike.

The Green Valley Pecan company has operations in three states and has more than 250 employees.

The company offers a diversity of pecan products including certified organic pecans.



## **Catalina State Park**

The 5,500 acres park is located at the base of the Santa Catalina Mountains.

Catalina State Park is a haven for desert plants and wildlife. The park consists of foothills, canyons, and streams.

Over 150 different species of birds and over 5,000 saguaro cactus can be found in the park.

There is evidence that the park and the surrounding area have been occupied by the ancient Pueblo peoples since 5000 BCE.



## **The Radisson Hotel**

**6555 East Speedway Blvd, Tucson, AZ 85710  
(520) 721-7100**

Enjoy your stay in Tucson, AZ at the wonderful Radisson Hotel. The hotel is in a gated community and the Radisson offers multiple amenities to their guests.

- Breeze Patio Bar and Grill with live music in the evenings
- Heated outdoor pool
- Hydrospa
- Fitness Center
- Local restaurants and shops nearby





**Western Horticultural Inspection Society**

**18<sup>th</sup> Annual Meeting**

**The Radisson Hotel**

**6555 East Speedway Blvd, Tucson, AZ  
85710**

**(520)-721-7100**

**October 10<sup>th</sup> and 11<sup>th</sup>**

**(Travel days October 9<sup>th</sup> and 12<sup>th</sup>)**

**REGISTRATION FORM**

**RESPONSE REQUIRED BY: \*\*\*\*September 17th\*\*\*\***

Please submit completed forms, and check or money order (made payable to WHIS) for appropriate fees to:

***Beth Eiring,***

***Montana Department of Agriculture***

***1505 Missoula Avenue***

***Helena, MT 59601***

**Email: [Feiring@mt.gov](mailto:Feiring@mt.gov)**

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TITLE: \_\_\_\_\_

PHONE: \_\_\_\_\_

REPRESENTING: \_\_\_\_\_

EMAIL: \_\_\_\_\_

**\$120.00** Member Registration Fee Enclosed

**\$140** Non-Member Registration Fee Enclosed

**\$20** Membership Fee for 2018 Enclosed

**\$80** One-Day Attendance Fee Enclosed

**(Wednesday\_\_\_\_\_ or Thursday\_\_\_\_\_)**

**Reservations +1 (800) 333-3333 or <https://www.radisson.com/tucson-hotel-az-85710/aztucsrd>**

**Room Rates: \$93 per night (government rate). Ask for a room reserved for WHIS.**

**Reservations must be placed by September 14<sup>th</sup>.**

**The hotel provides transportation from the airport for \$15 a person each way.**

Please Check box if you require specific dietary accommodations.

Please Check box if you will require different or additional transportation accommodations

*For more information regarding meeting and hotel accommodations, please contact:*

*Dina Stoner (520)628-6459 [dstoner@azda.gov](mailto:dstoner@azda.gov)*

## **STATE REPORTS**

Please provide 10 copies of your State Report at our Business Meeting, and / or emails copy of report to: *Dina Stoner* (dstoner@azda.gov)

The following is a standardization outline to follow when writing your state report submitted at our Annual Meeting. The oral portion of the report should not exceed 5 minutes in order to maintain the meeting schedule. A brief question and answer period is allowed after the presentation of the report.

### **Nurseries:**

1. Who needs a nursery license and how are nurseries/vendors/dealers categorized in your state?
2. How much does a nursery license cost?
3. How many nurseries are licensed?
4. How many routine nursery facility inspections were performed last year?
  - a. Was this an increase or decrease over the last year?
  - b. How is it determined what facility is inspected?
5. How many pest exclusion/intervention inspections were performed last year?
  - a. Was this an increase or decrease over the last year?
  - b. How is it determine what facility is inspected
6. How are inspection activities records stored and/or maintained?
7. How many nursery inspectors does your state have?

### **Phytosanitary Certificates:**

7. How many licensed ACO's in your state?
8. How many Federal phytosanitary certificates were issued for plant products last year?
  - a. Was this an increase or decrease over the previous year?
7. How many State phytosanitary certificates were issued for plant products last year?
  - a. Was this an increase or decrease over the previous year?

### **List Other Program Regulatory Activities Performed/Provided:**

**Trapping Data:** *Gypsy Moth, Japanese beetle, Emerald Ash Borer, Other...*

*Please describe find, how many traps were placed, and how many insects were discovered.*

### **New Insect/Disease Finds in the Last Year:**

**Program Changes, new personnel:**

**Other Relevant Information:**

### **Top Ten List**

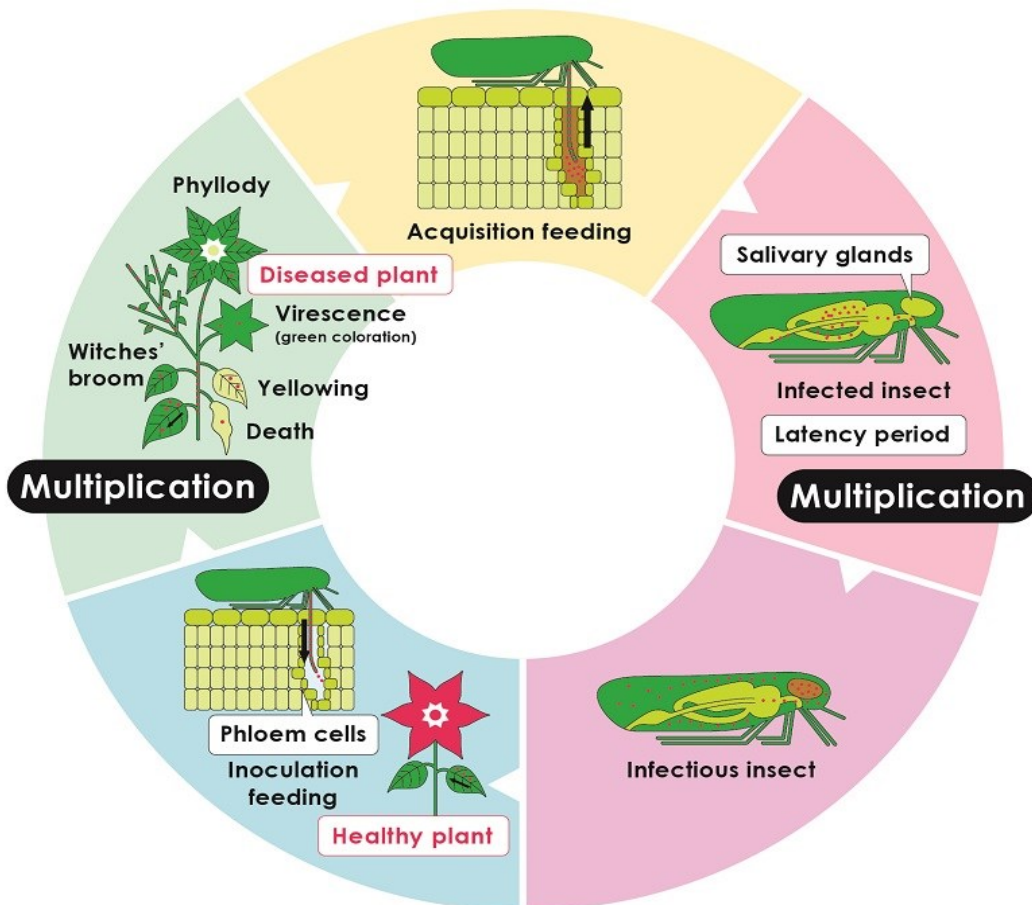
- a. Top 10 insect/mite pests.

# Education Corner

## Phytoplasmas

What are phytoplasmas? They are a type of parasitic bacteria that uses plant sucking insects like aphids or psyllids as a method to transfer between hosts. Infected plants become breeding factories for the phytoplasma. Plants that have a phytoplasma are generally sterile and there does not appear to be any effective cure for infected plants. Phytoplasmas are found in all types of plants including trees, fruit, vegetables, and flowers.

What makes phytoplasmas unique is the extreme morphological changes they cause in plants. Typically phytoplasmas cause abnormal growth and floral organ development like the development of leaf-like structures in the place of flowers (Phyllody), bushy or “witch broom” plants, or the formation of green flowers (Virescence). Phytoplasmas can also cause a plant to become yellow. Most of the “yellow” diseases (peach yellow, aster yellows, elm yellows, coconut lethal yellowing etc.) that were once considered to be caused by a virus are now shown to be caused by a phytoplasma. There are many phytoplasmas that are considered a threat to the nursery and agriculture industry.





# Education Corner



Phyllody in Strawberry



Phytoplasma in a Coneflower



Zebra Chip in Potato



Tomato Big Bud



Aster Yellows



# 2018 Executive Committee



## **President**

John Wraspir

Washington Department of Agriculture

360.410.1260

[jwraspir@agr.wa.gov](mailto:jwraspir@agr.wa.gov)

## **Vice-President**

Dina Stoner

Arizona Department of Agriculture

520.628.6459

[dstoner@azda.gov](mailto:dstoner@azda.gov)

## **Secretary**

Cheryl Smith

Colorado Department of Agriculture

303.869.9073

[cheryl.smith@state.co.us](mailto:cheryl.smith@state.co.us)

## **Treasurer**

Beth Eiring

Montana Department of Agriculture

406.444.9066

[beiring@mt.gov](mailto:beiring@mt.gov)

## **Editor**

Nathan Lehrman

Idaho Department of Agriculture

208.332.8648

[nathan.lehrman@isda.idaho.gov](mailto:nathan.lehrman@isda.idaho.gov)

## **Website**

Nick Bieser

Nevada Department of Agriculture

702.499.2141

[nbieser@agri.nv.gov](mailto:nbieser@agri.nv.gov)

### **WHIS CHAPTER PURPOSE:**

- (1) To promote high standards of horticultural and regulatory inspection work
- (2) To combine and share expertise, knowledge, experience and training among plant pest inspectors toward stimulating interest in and professionalizing plant inspection work
- (3) To provide a means of furthering fellowship among plant pest inspectors and allied workers
- (4) To provide a means of disseminating information to plant pest inspectors, allied workers and the general public that is particularly pertinent to plant pest inspection work
- (5) To advocate harmonization between State and affiliated agencies



**2018 MEMBERSHIP APPLICATION AND RENEWAL**

***PLEASE CHECK APPROPRIATE CATEGORY:***

NEW MEMBER \_\_\_\_\_ RENEWAL \_\_\_\_\_

***PLEASE PRINT:***

NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

PLEASE MARK BOX IF YOU DO NOT WANT YOUR CONTACT INFORMATION POSTED ON OUR WEBSITE.

**CHECKS IN THE AMOUNT OF \$20.00 SHOULD BE MADE PAYABLE TO:**

HORTICULTURAL INSPECTION SOCIETY – WESTERN CHAPTER

**PLEASE RETURN THIS COMPLETED FORM AND CHECK TO:**

**Beth Eiring**

**Montana Department of Agriculture**

**Agricultural Science Division**

**1505 Missoula Avenue**

**Helena, MT 59601**

**Email: [eeiring@mt.gov](mailto:eeiring@mt.gov)**

# WHIS ANNUAL MEETING SUBSIDY REQUEST FORM

**PLEASE PRINT:**

NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

REPRESENTING: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

**Please check boxes that apply.**

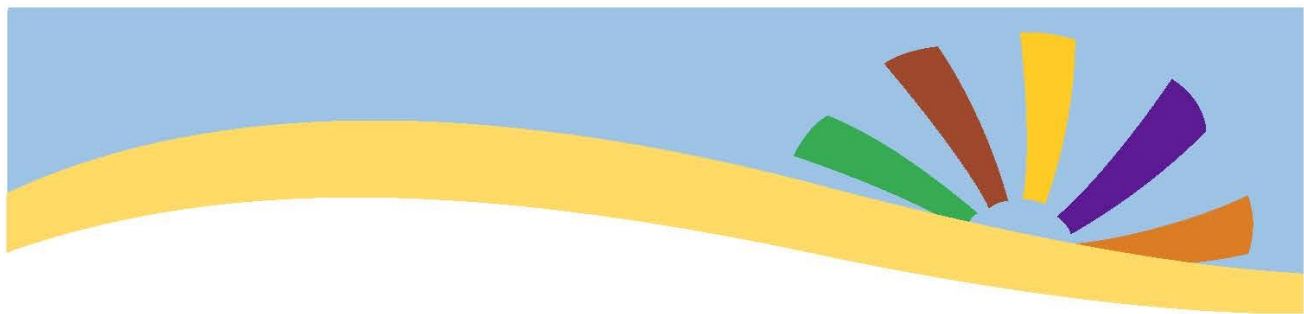
- Meeting Registration Fee:** \$120.00
- Lodging:** \$93.00 + tax per night - Number of nights: \_\_\_\_\_
- Travel expense -**
  - **Privately Owned Vehicle (POV) @ \$0.535 per mile**  
Trip starting point: \_\_\_\_\_  
Approx. Miles: \_\_\_\_\_ Approx. Expense: \_\_\_\_\_
  - **Airplane @ \$1.15 per mile**  
Approx. Miles: \_\_\_\_\_ Approx. Expense: \_\_\_\_\_

**PLEASE NOTE:**

***Proposals are not guaranteed until approved by WHIS Executive Committee.  
Receipts for meals, lodging and travel are required for reimbursement.  
Only lowest rate between POV or airplane qualify for subsidy.***

**Please return subsidy request form to [BEiring@mt.gov](mailto:BEiring@mt.gov) by September 10<sup>th</sup>, 2018**

**Note: this form is for the WHIS annual meeting only**

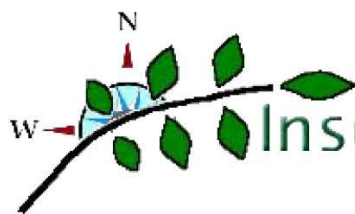


# Want to Go to Arkansas?

We are looking for someone to attend the Horticulture Inspection Society Southern Chapter Annual Meeting

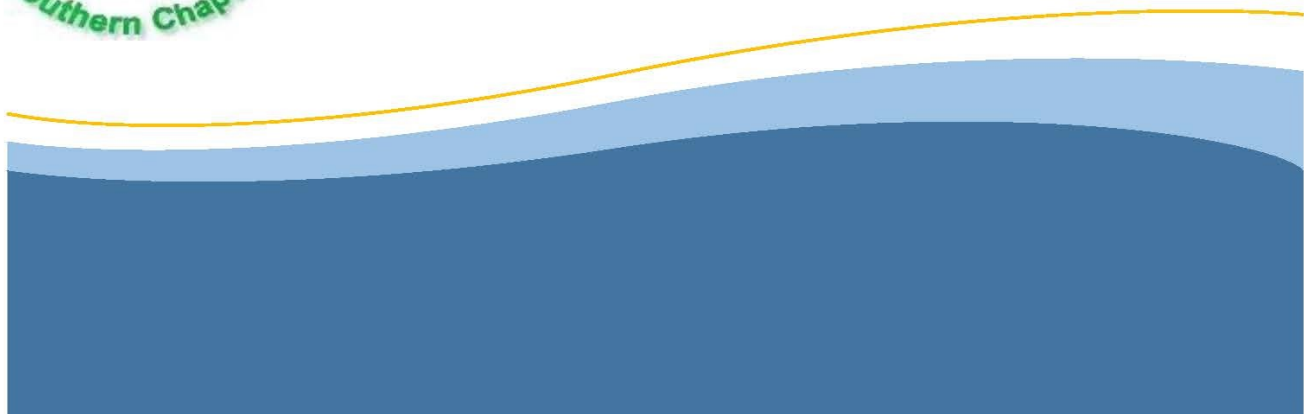
September 10th-14th

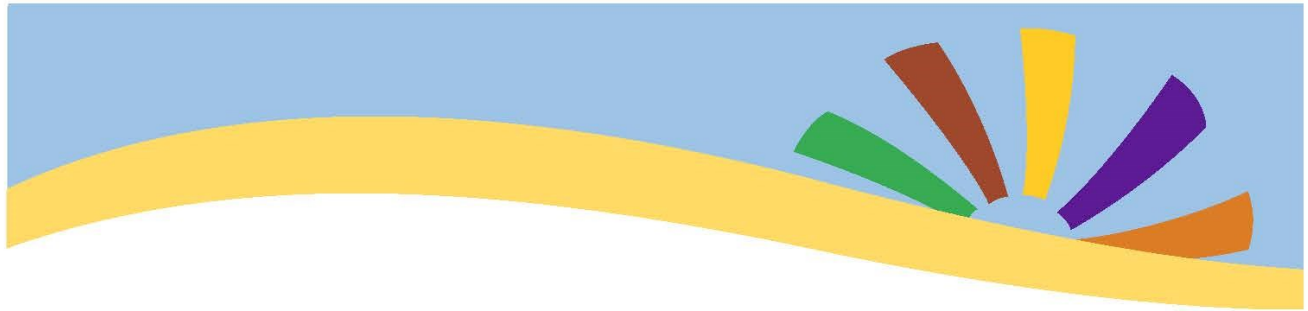
Rogers, AR



Horticultural  
Inspection Society

Western Chapter





## You Must:

- Present an approved report about WHIS during the meeting
- Provide a written report of the meeting details to the WHIS Executive Committee
- Represent the Western Chapter at the meeting

## We Will:

- Subsidize travel expenses for a member in good standing

## Travel Note:

The closest airport is Northwest Arkansas Regional Airport (XNA)

**Please submit your subsidy request to Beth Eiring  
([BEiring@mt.gov](mailto:BEiring@mt.gov)) by August 1st**





# HORTICULTURAL INSPECTION SOCIETY SOUTHERN CHAPTER ANNUAL MEETING SUBSIDY REQUEST FORM

**PLEASE PRINT:**

NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

REPRESENTING: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

**Please check boxes that apply.**

- Meeting Registration Fee: \_\_\_\_\_
- Lodging: \_\_\_\_\_ + tax per night - Number of nights: \_\_\_\_\_
- Meals: \_\_\_\_\_
- Travel expense -
  - Privately Owned Vehicle (POV) @ \$0.535 per mile  
Trip starting point: \_\_\_\_\_  
Approx. Miles: \_\_\_\_\_ Approx. Expense: \_\_\_\_\_
  - Airplane @ \$1.15 per mile  
Approx. Miles: \_\_\_\_\_ Approx. Expense: \_\_\_\_\_

**PLEASE NOTE:**

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Receipts for meals, lodging and travel are required for reimbursement.  
Only lowest rate between POV or airplane qualify for subsidy.***

**Please return subsidy request form to [BEiring@mt.gov](mailto:BEiring@mt.gov) by August 1<sup>st</sup>, 2018**