

## CROPS

ADG can conduct research on virtually any crop grown in the Northwest.

### Crops grown on-farm include:

**Vegetables:** Asparagus, Brussel Sprout, Beet, Carrot, Cabbage, Broccoli, Cauliflower, Cucumber, Dry Bean, Lima Bean, Green Bean, Eggplant, Lettuce, Mint, Onion, Leek, Peas, Bell Pepper, Green leafy vegetables, Hot Pepper, Okra, Potato, Pumpkin, Spinach, Squash, Sugar Beet, Grape, Tomato, Turnip, and many others.

**Fruit:** Apple, Blackberry, Blueberry, Cherry, Grape (Juice and Wine), Melon, Peach, Raspberry, Strawberry, Pear and Plum.

**Other crops:** Alfalfa, Barley, Field Corn, Sweet Corn, Lavender, Mint, Oats, Popcorn, Wheat, Hemp, Hops, Dill, Vegetable Seed and Turf Grass.

**Tree Fruit:** Apples, Pears, Cherry

## RESEARCH EXPERTISE

**Trials that Agriculture Development Group, Inc. plans to conduct in 2026 include:**

1. Cherry shothole – this is a new disease for us.
2. We have grey mold (Botrytis) and blue mold in culture for post-harvest trials – new for us.
3. Residue decline curves.
4. Fire blight, powdery mildew, codling moth, mites, pear psylla and other insects and diseases of tree fruit.
5. Potato white mold, early blight, Rhizoctonia, Verticillium, late blight.
6. CPB, aphids, psyllid, mites, lygus, wireworm, stink bug and thrips on potatoes.
7. Potato herbicide and fumigation research.

8. SWD on cherry, blueberry, raspberry, blackberry.
9. Mealy bug, thrips and leafhopper on grape.
10. Botrytis on grapes, onion, blueberry, strawberry, snapbean, and raspberry and mummy berry on blueberry.
11. We have access to botrytis resistant to FRAC Groups 7, 9, 11, 12 and 17. Complicated situation, however.
12. Powdery mildew on grape, carrot, apple, peach, strawberry, cherry, squash.
13. Tomato diseases and fertility.
14. We have access to several species of disease inoculum.
15. Nematode trials on potatoes, onions, squash, carrot and other crops.
16. Sweet corn earworm and corn fertility.
17. Aphids on a wide array of crops.
18. Mites on several crops include potato, mint, raspberry, blueberry, strawberry.
19. Thrips on onion, apples, potato, raspberry and other crops.
20. Fertility trials on a wide array of crops.
21. Storage diseases of apple, blueberry, onion, potato and other crops.
22. Potter spray tower efficacy studies.
23. Organic/bio stimulant products testing.
24. Drip line cleaning agents testing.
25. Hemp, hop, apple, pear, cherry, peach, blueberry, raspberry, potato, onion, asparagus, bean trials.
26. Cabbage maggot trials in vegetables.
27. Garden symphytan
28. Aquaculture
29. Raspberry cane blight control

# Agriculture Development Group, Inc.



## Agricultural Research and Consulting



## Alan Schreiber, Ph.D., President

2621 Ringold Road

Eltopia, WA 99330

Phone: 509-266-4348 (O)

Email: [aschreib@centurytel.net](mailto:aschreib@centurytel.net)

<https://schreiberagricultureresearch.com/>

**Agriculture Development Group, Inc. (ADG)** was founded in 1998 to conduct independent research and provide consulting services to the agriculture industry. The research farm is located 15 miles north of Pasco on 93 acres of highly productive farmland in the Columbia Basin. With sandy loam soils and a hot dry climate, this area provides ideal growing conditions for over 100 crops. ADG also has a second research station in Western Washington, as well as a research location in Wenatchee with a focus on tree fruit.

**GROWER EDUCATION:** We have a long list of influential growers that have expressed interest in trying new products. If you have a product that you want “center of influence” growers to experience, we can make this happen. Each year, we operate a numerous split or paired field comparisons for new crop inputs.

**RESEARCH:** ADG has conducted research trials on nearly every crop grown in Washington. Approximately 70% of ADG research trials in 2025 focused on pest management of insects, nematodes, weeds, or diseases, 20% of research trials were focused on fertility and bio stimulant research, and 10% of trials involved varietal evaluations and other types of agronomic research. Research can be conducted using center pivot, drip, rill, or solid set irrigation.

**CONSULTING:** Alan Schreiber, PhD, President, has thirty-seven years expertise in entomology, pesticide toxicology, pesticide resistance, pesticide registration and consulting. Dr. Schreiber has extensive contacts with agrichemical companies and agricultural commodity groups. His team consists of Ph.D. scientists in the research areas of horticulture, weed science, entomology, and plant pathology.

Dr. Schreiber has extensive experience in state and federal pesticide registration, including

Section 18 emergency exemptions, Section 3 and Section 24c registrations. Each year ADG handles multiple Section 24c and Section 18 registrations and collaborates extensively with the USDA’s IR-4 Project. Dr. Schreiber is a member of the IR-4 Commodity Liaison Committee, and ADG works with most of the commodity groups in Washington and many of Idaho and Oregon’s agricultural associations. ADG farms 160 acres of organic land, certified by WSDA, and has developed the largest private organic research program in the Pacific Northwest.

#### **FACILITIES, TECHNIQUES, AND EQUIPMENT**

- Pesticide application methods include airblast, seed treatments, in-furrow treatments, over the row and boom sprayers, backpack sprayer, helicopter, plane, and chemigation.
- In 2026, we will carry out RCBD, replicated aerial and chemigation efficacy trials.
- Temperature controlled chambers/cold room for post-harvest studies for tree fruit, potatoes, onions, and other crops.
- Insect cages for indoor and field use.
- Potter spray tower for laboratory assays.
- Year-round greenhouse study capacity.
- A wide array of crops on which crop destruction projects can be conducted.
- Commercial scale potato yield and grade analyses.
- Parallel 8-boom over the row sprayer for applications over bush/vine type crops like grapes, blueberries, and blackberries from both sides.
- 10 boom plot broadcast sprayer.



- Post harvest analyses for tree fruit, potatoes, onions, berries, and other produce.
- In addition to our Columbia Basin Research Station, we also have research facilities in Wenatchee (tree fruit central) and Mt Vernon (high disease pressure situation.)
- Drone research

#### **Pests/diseases:**

Codling moth (limited space in apple only), pear psylla, apple aphids (green/rosy, woolly), thrips, mealybugs (in apple), two-spotted spider mites, leafhoppers, fire blight (limited space in apple only), powdery mildew

#### **Storage diseases:**

- Grey mold (*Botrytis cinerea*) in field or laboratory inoculation trial available
- Blue mold in field or laboratory inoculation trial available
- Mucor field obtained only
- Cherry shothole (*Coryneum blight*)
- Annual/perennial grass and broadleaf weeds

Nutrition and bio stimulants: Bitter pit apple (Honeycrisp), fruit and tissue analysis, tree growth, pre-harvest quality (fruit size, finish, firmness, disorders), post-harvest (cold storage disorders), crop safety

PGRs, blossom thinning, fruit thinning, fruit size/shape/finish, fruit color, return bloom, growth regulator/promoter, harvest management

**Soil health:** Soil and tissue analysis, soil moisture and temperature monitoring; tree growth, potted trials (roots).