

Abdel O. Mesbah, Ph.D.

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EDUCATION:

Ph.D. Agronomy/Weed Science and Technology, University of Wyoming, **December 1993.**

M.S. Agronomy/Seed Science and Technology, University of Wyoming, **May 1990.**

B.S. Crop Sciences: Ecole Nationale D'Agriculture at Mekness, Morocco, **July 1982.**

RESEARCH INTERESTS:

- Variety testing to evaluate performance (yield and quality) of agronomic, horticultural, and alternative crops.
- Develop sustainable weed management systems involving cultural practices, tillage, and herbicides for agronomic, horticultural, alternative, and selected pulse crops.

EXTENSION INTERESTS:

- Explore yield and economic potential of alternative crops to establish new crops for the growers in the region.
- Work closely with various crop production task forces to demonstrate new technology that will allow growers to minimize production costs and maximize profits.

PROFESSIONAL EXPERIENCE:

Associate Professor/Superintendent, Agricultural Science Center at Clovis, Agricultural Experiment Station, Department of Entomology, Plant Pathology, and Weed Sciences. New Mexico State University. **May 2013**

Research Leader, Powell Research & Extension Center, Department of Plant Sciences, University of Wyoming. **October 2012 to May 2013.**

Director/Senior Research Scientist, Powell Research & Extension Center, Department of Plant Sciences, University of Wyoming. **July 2007 to September 2012.**

Interim Director/Senior Research Scientist, Powell Research & Extension Center, Department of Plant Sciences, University of Wyoming. **July 2005 to June 2007**

Research Scientist: Agronomist/Weed Scientist, Department of Plant Sciences, University of Wyoming. **Feb. 1998 to June 2005.**

Postdoctoral Research Associate: Department of Plant Sciences, University of Wyoming. **Feb. 1997 to Jan. 1998.**

Research Assistant: Department of Plant, Soil, and Insect Sciences, University of Wyoming.

May 1990 to Dec. 1993.

Research Assistant: Department of Plant, Soil, and Insect Sciences, University of Wyoming.

Jan. 1988 to Mar. 1990.

Seed Production Manager: USAID-Moroccan Government Project 608-0145. Plant Material Center, Ministry of Agriculture, Eljadida, Morocco. **Sept. 1982 to Dec.1987.**

PROFESSIONAL TRAINING:

- **International Fertilizer Development Center:** *training program (Tel Aviv, Israel, May 2012).*
- **Vegetable crop production under high tunnels:** *Six-month sabbatical (Agadir, Morocco, 2011)*
- **Project Analysis:** *two-month training (USDA, Washington D.C., 1989).*
- **Seed Production and Technology:** *two-month training (Mississippi State University and University of Illinois at Urbana-Champaign, 1988).*
- **Farm Management:** *Six-month training (Utah State University, Logan, 1985).*

GRADUATE STUDENT:

Master of Science Students Advised

- Katherine Nelson. 2005. *Thesis title:* Dormancy Testing Methods in Big bluestem, Little bluestem, Switchgrass, and Indiangrass.
- Myrna Almer. 2005. *Thesis title:* Prairie Coneflower Seed Production in the Big Horn Basin, Wyoming.
- Calvin Odero. 2005. *Thesis title:* Economics of Weed Management Systems in Sugarbeets.
- Kyrre Stroh. 2013-Projected. *Thesis title:* Weed Removal Timing by Nitrogen Fertility in Glyphosate Tolerant Sugarbeets.
- Nana Kusi. 2014-Projected. *Thesis title:* Effect of Phosphorus Fertility Rate and Formulation on Sugarbeet Yield and Sugar Content.

Doctorate of Philosophy Students Advised

- Calvin Odero. 2008. *Dissertation title:* Interference of Annual Broadleaf Weeds in Sugarbeets.
- Randall Violet: 2012. *Dissertation title:* Ecology and Control of Foxtail Barley (*Hordeum jubatum* L.) in Irrigated Pasture in the Big Horn and Wind River Basins, Wyoming.
- Nelahyane Abdelaziz: 2015-Projected. *Dissertation title:* Effect of Water Stress on Gain and Silage Corn Production.

Graduate Committee Served

- Master of Science: 3
- Doctorate of Philosophy: 2

Teaching Experience: Crop-4790, Seed Science and Technology (fundament principles of seed production, processing, and marketing). Upper division/graduate course, 3 credits, offered biennially through the University of Wyoming-Department of Plant Sciences and Northwest College 3rd Year Agroecology Program). 2000-2002

HONORS & AWARDS:

- *Certificate in recognition and appreciation of 15 years of service*, 2012. University of Wyoming, College of Agriculture and Cooperative Extension Service. Laramie, WY.
- *Certificate in recognition and appreciation of 10 years of service*, 2007. University of Wyoming, College of Agriculture and Cooperative Extension Service. Laramie, WY.
- *First Place* (poster contest). Western Society of Weed Science, 1993. Tucson AZ.
- *Second Place* (paper contest). Western Society of Weed Science, 1992. Salt Lake UT.
- *Gamma Sigma Delta*: 1988. High scholarship for outstanding achievement in agriculture.
- *American Society of Epsilon*: 1988. High scholastic achievement award in agriculture.

LANGUAGES: Arabic, English, and French.

PROFESSIONAL MEMBERSHIPS:

- International Society for horticultural Science (ISHS)
- Society of Epsilon, Gamma Sigma Delta
- Western Society of Weed Science (WSWS)
- North Central Society of Weed Science (NCSWS)
- Western Society of Crop Science (WSCS)
- Weed Science Society of America (WSSA)
- Western Society of Crop Science (WSCS)
- American Society of Sugar Beet Technologists (ASSBT)
- Institut International de Recherche Bettraviere (IIRB).

PRESENTATION & WORKSHOP SUMMARY: *(Last Five Years)*

- 73 - Presentations: (Local, Statewide, Regional, National, and International)
- 22 - Invited Presentations: (Local, Statewide, Regional, National, and International)
- 5 - Field days: One/year (Tour of research plots in the Center)
- 10 - Field Tours: Two/year (Industry)
- 8 - Workshops: Herbicide training and High Tunnels

FUNDED GRANTS and PROPOSALS: *(Last Five Years)*

Abdel O. Mesbah. Research in Agronomic Crops (Fertility/Weed Management, Alternative Crops and Variety Trials). Several Industry Companies. 01/01/2008 to 12/31/2012.
\$300,500

Abdel O. Mesbah and Axel Garcia. Wyoming Department of Agriculture. Vegetable Crop

Production and Variety Selection Inside and Outside High Tunnels: Research, Demonstration, Education, and Training. 10/01/2010 to 09/30/2013. \$37,339

Jay Norton, **Abdel O. Mesbah**, Peck, Franc, Reddy, U. Norton, Frost, Gill. University of Wyoming Agricultural Experiment Station Competitive Grants Program. Effects of cropping-system, irrigation method, and soil properties on soil nitrogen and organic matter dynamics in the Big Horn Basin. 01/01/2008 to 12/31/2010. \$60,000

Justin Moss, Lindsay Taylor, **Abdel O. Mesbah**, and James Krall. Internal CES Grant. Sustainability of Straight Vegetable Oil and Biodiesel Fuel Production for Wyoming: Oilseed Crop Development, Production, Use, Extension, and Education. 07/01/2008 to 09/30/2010. \$38,612

Justin Moss, **Abdel O. Mesbah**, and James Krall. School of Energy Resources. Sustainability of Straight Vegetable Oil and Biodiesel Fuel Production for Wyoming: Development, Production, Use, Extension, and Education. 09/01/2008 to 08/31/2010. \$22,850

Andrew Kniss and **Abdel O. Mesbah**. A Novel Application of the Herbicide Ethofumesate to Increase and Prolong the Effectiveness of Glyphosate Resistant Technology in Sugarbeet. University of Wyoming Agricultural Experiment Station Competitive Grants Program. 01/01/2008 to 09/30/2010. \$52,100

