

14<sup>th</sup> International Conference on**Agriculture & Horticulture**

August 15-16, 2019 | Rome, Italy

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**Sustainable Pesticide Management** is a critical issue in agriculture. Pesticides are used to control pests, diseases, and weeds, but their use can have negative impacts on the environment and human health. Sustainable pesticide management involves the use of integrated pest management (IPM) strategies, which aim to reduce the use of pesticides while maintaining crop yields. This includes the use of cultural, biological, and physical control methods, as well as the judicious use of chemical pesticides.

**Molecular Biology & Biotechnology** has revolutionized agriculture by providing new tools for breeding, biotechnology, and molecular biology. These tools have led to significant improvements in crop yields, quality, and resistance to pests and diseases. Molecular biology techniques such as genetic engineering, transgenic technology, and genome editing are being used to develop new varieties of crops that are more resistant to pests and diseases, and more efficient in their use of resources.

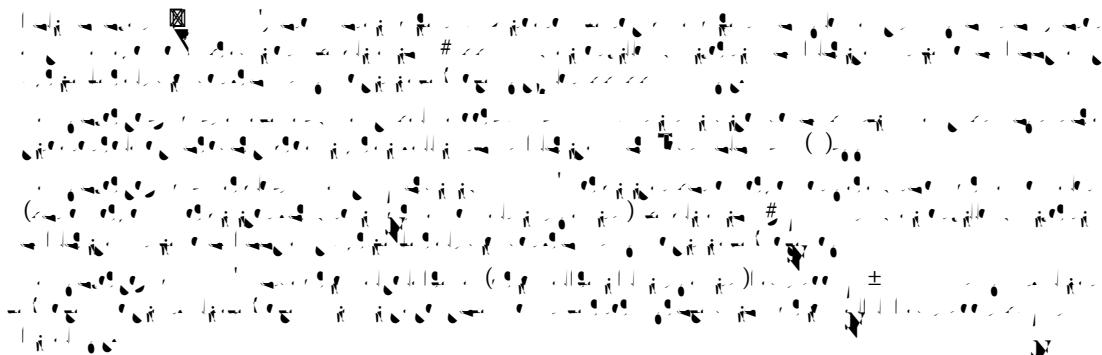
**Fertilizer Management** is another important aspect of agriculture. Fertilizers are used to provide nutrients to crops, but their use can also have negative impacts on the environment. Sustainable fertilizer management involves the use of integrated nutrient management (INM) strategies, which aim to reduce the use of fertilizers while maintaining crop yields. This includes the use of organic fertilizers, crop rotation, and other soil management practices.

**Crop Production & Soil Health** is a key area of research in agriculture. Crop production involves the cultivation of various crops, while soil health refers to the condition of the soil. Sustainable crop production and soil health management involve the use of integrated crop management (ICM) strategies, which aim to reduce the use of inputs while maintaining crop yields. This includes the use of cover crops, no-till farming, and other soil management practices.

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E. Vanessa Campoverde is a University of Florida/IFAS Extension Educator/Agent. Vanessa's work is focused on empowering her clientele with research-based trainings including but not limited to Integrated Pest Management (IPM), Best Management Practices (BMP), work safety and financial literacy. Prior to joining UF/IFAS in 2008, she worked at the International Potato Center in Peru. Vanessa holds a master's degree in Plant Pathology from UF and a Bachelor's in Biological Sciences from Universidad Nacional Mayor de San Marcos. She is a member of Florida and National Association of County Agricultural Agents, Association of International Agricultural and Extension Education, American Society for Horticultural Science, American Association of Pesticide Safety Educators, The American Phytopathological Society and Epsilon Sigma Phi Associations, where she has served on several committees. Vanessa was also the 2015 UF/IFAS Award for Excellence in Internationalizing Extension recipient. In her free time, Vanessa enjoys travelling and trying international cuisine.

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