These updates were originally conceived by Dr. Dalphy Harteveld and will be updated during 2018 by Dr. Maria Fairbank, Associate in Research at WSU Mount Vernon Research and Extension Center. The research focuses on the epidemiology and control of fungal diseases of highbush blueberry in the Pacific Northwest. This weekly "Mummy Berry Update" provides information on the timing of apothecia (mushrooms) development from mummified overwintering berries (mummies) in four Washington counties (Skagit, Whatcom, Snohomish, and Island). The apothecia produce infectious ascospores that infect emerging flower and leaf buds (Figure 1). The first two tables show the average percentages of floral and vegetative buds at different developmental stages of cultivars in each county and indicate when susceptible tissue is available on the plants. The third table shows the different developmental stages of apothecial development from mummies and the emergence of ascospores (when cups of the mushrooms are more than 2 mm open). This information is provided to help the timing of disease management practices and to control mummy berry. Development of mummies and host reflect conditions occurring in the four fields that we are currently monitoring and may be different from stages of development in other blueberry fields in these same counties, in different counties, or for different blueberry cultivars.

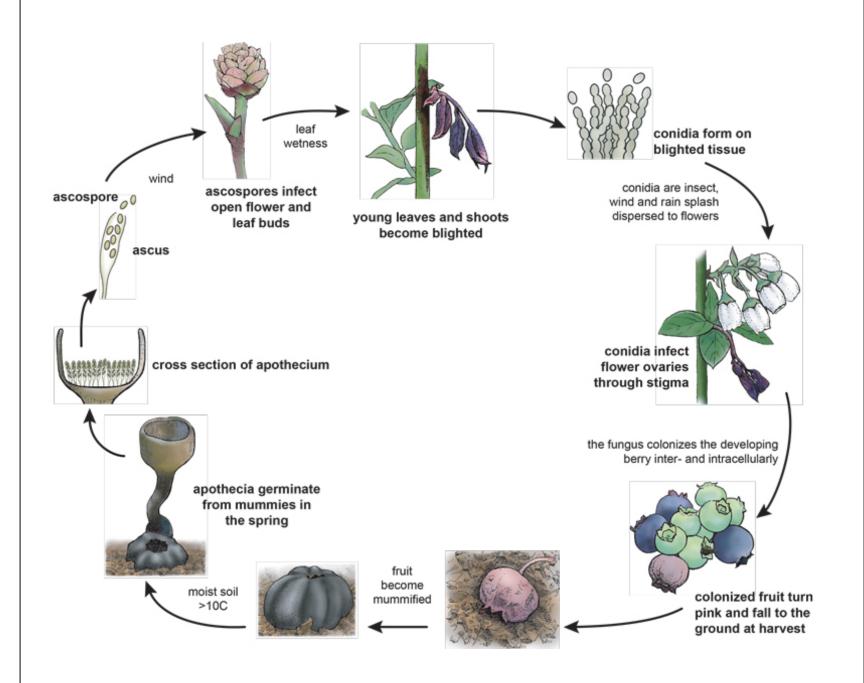


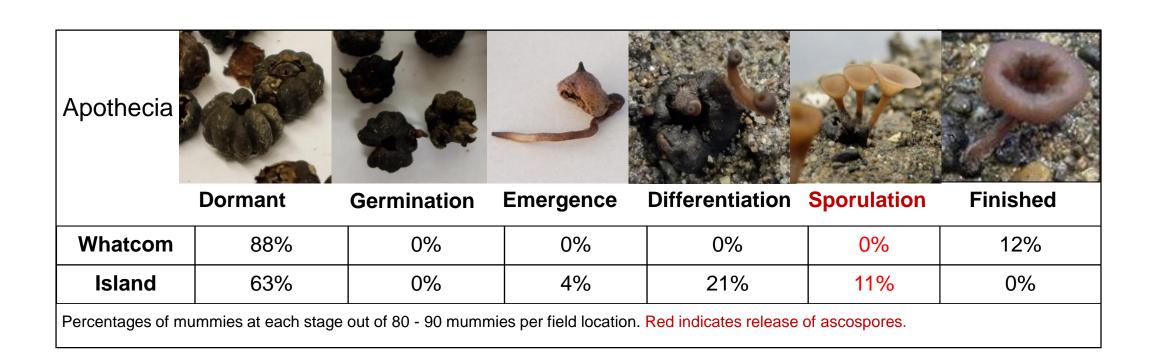
Figure 1: Disease cycle of mummy berry of blueberry. Annemiek Schilder, Michigan State University

## NW WA - April Week 8 (4/16 - 4/20)

## Floral Buds **Bud swell Bud burst Tight cluster** Late pink **Early pink Whatcom** 1% 10% 51% 38% Mixed 0% 0% Island 32% 61% 0% 7% Aurora

Percentages represent one field per cultivar per county. Red indicates a susceptible stage for infection.

>1/4" **Vegetative Buds Bud swell** Early green Late green **Unfolding** Mixed 0% 11% Whatcom 0% 89% 0% 9% 18% Island 73% Aurora Percentages represent one field per cultivar per county. Red indicates a susceptible stage for infection.



Contact: Maria Fairbank WSU Mount Vernon Research and Extension Center Phone: (360) 941-2344 Email: maria.fairbank@wsu.edu