Proper tuber maturity at harvest is an important factor in producing high quality Northwest fresh market and process grade potatoes. A mature tuber has improved skin-set, bruise resistance, and increased storage life.

Vine killing not only benefits tuber appearance but also limits tuber size and improve tuber release from the vine at harvest. Potatoes with proper skin-set maintain better skin color, lose less weight in storage, and are more resistant to bruising and soft rot. Following Aim® EC herbicide label guidelines will improve vine kill success and, in turn, tuber quality.

Two to three weeks are needed between vine kill and harvest to achieve proper tuber maturity and skin-set. However, this time is dependent on the potato variety planted, maturity of the plant when the vines were sprayed, and the environmental conditions after desiccant application.
Potato Vine Desiccation Experiment using Aim® EC herbicide, Reglone® herbicide, and Rely® herbicide on Potatoes

RESULTS

1. Aim® EC herbicide treatments provided greater yields of US #1 potatoes than other treatments. (Data not shown)
2. Aim® EC herbicide 2 oz/A + COC 1% v/v had the highest total yield of any treatment
3. Aim® EC herbicide treatments had lowest percent cull rates of any treatments in this study
4. Aim® EC herbicide tankmixes containing either Reglone® herbicide or Rely® herbicide increased leaf and stem desiccation 21 days after treatment (DAT)

HatchTrak

Aim® EC herbicide puts growers in control of their desiccation and harvest management

- Reliable and consistent in performance, even under adverse condition
- Flexibility to use in various cropping situations, methods of application, and rates
- Controlled, rapid defoliation of leaves, coupled with quick stem kill
- Fast skin set, which is essential bruise management and skin set
- Increased stolon detachment, meaning fewer potatoes going over the back of the harvester

- Reliable control of tuber size, which is important in today’s fresh pack and seed potato market
- Makes harvest straight forward and trouble free
- Highly cost effective for optimizing your defoliation schedule
- Compatible with fungicides, to increase protection against tuber blight
### Application Recommendations

**Use Rates:** 2.0-5.8 oz/A

- Aim® EC herbicide may be applied alone in single application or in sequential application programs on fresh market, storage, and seed potatoes

#### Recommended Programs

**Option 1:**  
Aim® EC herbicide 2.0-3.2 oz/A + Reglone®® herbicide 1.0 pt/A or Rely® herbicide 280 21 oz/A

**Option 2:**  
Aim® EC herbicide 3.2-4.0 oz/A fb Reglone® herbicide 1.0 pt/A or Rely® herbicide 29 oz/A (sequential applications)

**Option 3:**  
Reglone® herbicide 1-2 pt/A fb Aim® EC herbicide 2-3.2 oz/A + Reglone® herbicide 1.0 pt/A (sequential applications)

### Adjuvant Guidelines

- MSO is the recommended adjuvant at 1-2 gal/100 gals of spray solution
- COC at 1-2 gal/100 gals of spray solution may be used if MSO is restricted in the tank mix

### Application Guidelines

- Good coverage is essential for good control
- 20 gpa minimum recommended
- A second application may be required in 7-10 days
- Use flat fan nozzles within recommended pressure ranges for best performance.
- Do not use FloodJet® nozzles or tips larger than 8008 that create a coarse spray

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Always read and follow label directions. NOTE REGARDING RESTRICTED USE PESTICIDES: Anthem ATZ herbicide; Athena insecticide, Brigade 2EC Insecticide/Miticide, Brigade WSB Insecticide/Miticide, Brigadier Insecticide Capture 3RIVE 3D insecticide, Capture LFR Insecticide, Declare insecticide, Hero Insecticide, Mustang Insecticide, Mustang Maxx Insecticide, Pounce 25WP Insecticide, Stallion Brand Insecticide, Ethos XB Insecticide/Fungicide and Gladiator Insecticide/Miticide are Restricted Use Pesticides. VGR Soil Amendment is not a pesticide. NOTE FOR CALIFORNIA: Accurate Extra herbicide, Aim® EC herbicide, Anthem herbicide, Anthem ATZ herbicide, Anthem Flex herbicide, Anthem Maxx herbicide, Authority Assist herbicide, Authority First DF herbicide, Authority Maxx herbicide, Authority MTZ DF herbicide, Authority XL herbicide, Cadet herbicide, Chisum Herbicide, Command 3ME microencapsulated herbicide, Crusher Herbicide, Edition Broadspec herbicide, Edition Tankmix Herbicide, Marvel herbicide, Nimble Herbicide, Nuance Herbicide, Preemptor SC, Report Extra Herbicide, Solstice herbicide, Spartan 4F herbicide, Spartan Charge herbicide, Spartan Elite herbicide, Zeus Prime XC herbicide, Zeus XC herbicide, Capture 3RIVE 3D insecticide, Ethos XB Insecticide/Fungicide, Hero Insecticide, Mustang Maxx Insecticide, Topguard Terra Fungicide, Specialty Crops fungicide, Display cotton harvest aid are not registered for sale or use in California. Topguard Fungicide is only registered for apples and soybeans in CA. Beleaf and Carbine are trademarks of Ishihara Sangyo Kaisha, Ltd. Cercobin is a trademark of Nippon Soda Co., LTD. Sovran is a registered trademark of BASF. Fortix is a trademark of Arysta LifeScience North. FMC, 3RIVE 3D, Accurate, Aim, Athena, Authority, Brigade, Brigadier, Cadet, Capture, Chisum, Command, Crusher, Declare, Display, Edition, Ethos, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Preemptor, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Topguard, Topguard Terra and Zeus are trademarks and HatchTrak and “Investing in farming’s future” are service marks of FMC Corporation or an affiliate. ©2016 FMC Corporation. All rights reserved.

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