

RIMpro-BIOFIX 2016

Update 8 April 4

Actual information on phenology, ascospore maturation and first discharge to help consultants and producers to set the correct Biofix date for RIMpro-*Venturia*. This information is provided by research institutes and advisory services. Observations over the past 15 years have learned that 'Green Tip' is not always the best Biofix setting. The first ascospores were found between 21 days before Green Tip, until 17 days after. Best simulation results were obtained by using as Biofix:

Date of first observed ascospore discharge, or date of Green tip, whatever comes first

- = no information received yet
none = not found until the date of this bulletin
wait = not decided yet



Region	Organisation	First ascospores		First green	Biofix
		Mature spores in perithecia (microscope)	Ejected L= lab F=Field	10% buds with green tips + variety	Proposed
North America					
Canada Québec	IRDA	-	-	4-4: none	wait
New York	Hudson Laboratory	6-3	15-3 F: none	16-3: Zestar, Red Delicious, NY-2	16-3
Massachusetts	University of Massachusetts	-	-	29-3 Zestar, Pink Lady	1-4 ?
Europe					
Latvia	LPPRC, Riga	4-4: none	4-4: none	4-4: none	wait
Poland		17-3	24-3 F: none	26-3 Jonagold	27-3
	IPSAD	24-2	F: 27-3	4-4 all varieties	27-3
Norway	Bioforsk, Oslo	-	24-3 F: none	29-3 (south west)	wait
Sweden	Skane, Jordbruksverket	-	29-3 F: none	31-3 till 3-4	2-4 till wait
Denmark	Hort. Res. Centre Arslev	-	F: 25-3	25-3: early Gravenstein 29-3:Jonagold 4-4: Elstar	25-3
Germany North	Esteburg, Jork	-	L: 18-3	24-3 ?	24-3
Netherlands	PPO, Randwijk	29-2	18-3 L: 2 spores	18-3 Alkmene 23-3 Jonagold 26-3 Elstar, Golden	18-3
Belgium	PCF, Sint-Truiden	18-2	18-3 L: 9 spores	15-3 Boskoop 21-3 Jonagold	18-3
Germany South-West	DLR Rheinpfalz, Neustadt	1-3	14-3 F: none	10-3 Gala	10-3
	LO Offenburg, Mittelbaden	23-2	-	11-3 early varieties	6-3
Germany East	LfL Pillnitz, EO Dresden	-	F: 7-3	12-3 none	?
Germany South	MABO (Lake Constance)	23-2	-	14-3 Jonagold	14-3
	LTZ Augustenberg	-	F: 25-3	17-3 Jonagold	15-3
Switzerland	Frick FIBL (North East)	-	F: 24-3	25-4 Gala 29-4 Golden	20-3
France Centre	La Moreniere	12-2	??	??	??
	Fredon Centre: Cher	3-3	21-3 F: none	17-3	9-3
	Fredon Centr: Indre et Loire	15-2	F: 23-2	17-3	1-3
	Fredon Centr: Orléans - Loiret	10-3	F:10-3	17-3	9-3
France Limosin	GIE Perlim	12-2	F: 25-2	21-3 Golden	3-3
France Southwest	CTIFL (Bergerac)	12-2	F: 2-3	14-3 Pink Lady 17-3 Gala, Braeburn	2-3
	CEFEL (Montauban)	15-2	F: 26-2	3-3 Pink Lady	26-2
France Southeast	CEHM (Montpellier)	17-2	F: 22-2	10-3 none	22-2 ?
	Sicolys (Rhône)	22-2	F: 22-2	25-3 Golden	22-2 ?
	Cham. d'Agr. Savoie	22-2	F: 6-3	15-3 Gala, 21-3 Golden	1-3
	Vinschgau	-	-	16-3 Golden	12-3
Italy South Tirol	Early regions	-	F: 27-2	29-2 Pink Lady 10-3 other varieties none	9-3
	Early zones	23-2	-	12-3 none	9-3
Italy Trentino	Late zones	-	-	12-3 none	12-3
	AGRION	26-2	F: 14-3	14/3 - Red delicious	14-3
Italy Friuli	ERSA Pordenone	7/3	F: 10-3	10-3 Golden	10-3
Bosnia-Herzegovina	Trebovljani, Gradiska	-	-	5-3 Idared, Granny Smith	5-3
Hungary	Medi-Fruct Szövetkezet	-	-	7-3 Gala, Golden	7-3
Kosovo	Edmond Rexhepi	-	15-3 none	7-3	7-3
Bulgaria Agricultural University- Plovdiv	Central South (Plovdiv)	26-2	L: 7-3	1-3 Pink, Granny 3-3 Gala, 14-3 Golden	4-3
	Central South (Krichim)	29-2	L: 7-3	25-2:Granny 7-3 Golden	4-3
	South East (Karnobat)	9-3	L: 9-3	25-2 Pink, Granny, J,gold 7-3 Golden	5-3
	North West (Radotina,)	11-3	L: 11-3	28-2 Granny, 7-3 Golden	5-3
	Bulgaria North East (Balchik)	12-3	L: 12-3	17-3 Granny	wait
Catalonia	IRTA-Mas Badia	-	-	15-3 Gala, Pink, Granny	15-3