

**This table contains results from fungicide efficacy experiments conducted by Margaret T. McGrath at Cornell University
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Control of powdery mildew on lower leaf surfaces of pumpkin in fungicide evaluations conducted on Long Island (%)

Fungicide	Active ingredient	FRAC Code	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*	2019	2020	2021	2022
Cabrio	pyraclostrobin	11		20 ab																
Quadris Top	azoxystrobin + difenoconazole	11+3				67 b														
Pristine	boscalid + pyraclostrobin	7+11	45 b	89 efg	58 e	94 defg	80 bcd	50 abc	28 ab	40 abc	93 bcd	54 b	73 b	43 b	23 ab					
Endura	boscalid	7	56 bc	90 fg	60 ef															
Fontelis	penthiopyrad	7		70 d		82 bcde		50 abc	42 ab	33 abc										
Luna Sensation	fluopyram + trifloxystrobin	7+11													30 ab	28 bc	47 cd			
Luna Experience	fluopyram + tebuconazole	7+3							55 ab				78 bc					95 c		
Luna Privilege	fluopyram	7																95 cd		
Rally (5 oz/A)	myclobutanil	3	82 ef	26 ab			37 ab													
Inspire Super (20 fl oz/A)	(20 difenoconazole + cyprodinil)	3				88 cdef	40 abc													
Cevya (5-10 fl oz/A)	mefentrifluconazole	3																44 b	56 b	54 cd
Procure (6 fl oz/A)	triflumizole	3	76 def	35 b	75 fg			50 abc												
Procure (8 fl oz/A)	triflumizole	3			78 g	93 defg	72 cd	69 bcd	22 ab	57 bc	95 bcd	70 b		91 de	54 bc			89 c		
Proline	prothioconazole	3																100 d		
Quintec (4-6 fl oz/A)	quinoxifen	13		89 efg	81 g	99 g	86 d	95 d	41 ab	96 e	99 d	96 cd	69 b	98 e	72 c	42 cde	40 bc	94 c		
Torino	cyflufenamid	U6						82 cd	62 ab						19 a					
Gatten (6-8 fl oz/A)	flutianil	U13														29 bc	65 de			
Prolivo (5 fl oz/A)	pyriofenone	50												66 c						87 de
Vivando	metrafenone	50						82 cd			97 bcd	98 bc	70 b		80 c	54 e	75 ef	90 c		
<i>alternation among targeted fungicides</i>			74 cde	77 def	80 g	95 efg	94 d		15 ab	89 de	98 cd	95 cd	78 b	97 e	71 c	50 de	92 f	93 c	96 d	90 *

Control calculated using Area Under Disease Progress values. Numbers for each year with a letter in common are not significantly different

from each other (Tukey's HSD, $P=0.05$). Those with 'a' are not different from the nontreated control thus fungicide was ineffective; these entries are in italics.

Luna Privilege is not labeled for this use.

Luna fungicides and Gatten are not permitted used on Long Island.

* 2018: Control generally was not as good as in other evaluations because powdery mildew was more severe at first application.

* 2022: No mean separation letters because the alternation program was in an adjacent experiment to one with Cevya and Prolivo. Applications were made on same day.

Cevya and Prolivo were applied on a preventive schedule; alternation program was applied on usual IPM schedule with 1 of 50 older leaves affected action threshold.