Table E-9. Commonly Used Fungicides Registered for Vegetables (see NOTE on the preceding page). X=fungicide is registered for the crop. The number next to X=PHI (days to harvest); if no number is present PHI=0 days. XGH=labeled for greenhouse use (see also Table E-11. Selected Fungicides and Bactericides Labeled for Greenhouse Use).

							,						
Fungicides	Actigard (acibenzolar-S-methyl)	Aliette (fosetyl A1)	Aproach (picoxystrobin)	Aprovia Top (difenoconazole+benzovindiflupyr)	azoxystrobin	Cabrio (pyraclostrobin)	Cannonball (fludioxonil)	Chlorothalonil ^a	Curzate (cymoxanil)	Elatus (azoxystrobin+benzovindiflupyr)	Endura (boscalid)	Fixed copper ^a	Fontelis (penthiopyrad)
FRAC Code(s)	21	33	11	3+ 7	11	11	12	M05	27	11+ 7	7	M1	7
		X110		,	X100			X190		ļ ,			
Asparagus Pages grap		A110	X14	X14	X100		X7	X190			X7	X	X
Beans, snap		1	X14 X14	X14 X14			X7	X14		1		X	X
Beans, lima			X14	X14	X	V	Α/	X14			X7		
Beets	W	W2			X	X		N/T			W	X	X
Broccoli	X7	X3			X	X		X7			X	X	X
Carrots		370			X	X	37	X			X	X	X
Celery	***	X3			X	X	X	X7			X	X	X3
Chinese cabbage	X7	X3			X	X		X7			X	X	X
Cole crops	X7	X3		**	X	X		X7	770		X14	X	X
Cucumbers	X	X		X	X1	X		X	X3		X	X	X1
Eggplants				X	X	X		X3			X	X	X
Garlic	X7				X	X7	X7	X7			X7	X	X3
Greens, mustard	X7	X3			X	X					X14	X	X
Greens, turnip	X7				X							X	X
Horseradish					X	X		X14			X		X
Leeks					X	X7	X7	X14			X7	X	X3
Lettuce	X7	X3			X	X	X		X3		X14	X	X3
Muskmelons	X	X		X	X1	X	X14	X	X3		X	X	X1
Okra				X	X			X3				X	X
Onions, dry	X7	X7			X	X7	X7	X14			X7	X	X3
Onions, green		X7			X	X7	X7	X14			X7	X	X3
Parsley		X			X	X	X				X14	X	X3
Parsnips					X	X		X10					
Peas				X14	X						X21	X	X
Peppers	X14			X	X	X		X3			X	X	X
Potatoes					X14			X7	X14	X14	X10	X	
Pumpkin/winter squash	X	X		X	X1	X		X	X3		X	X	X1
Radish					X	X							X
Spinach	X7	X3			X	X	X		X1			X	X3
Squash, summer	X	X		X	X1	X		X	X3		X	X	X1
Strawberries	X	X			X	X						X	X
Sweet corn			X7		X7			X14		X7		X	
Sweet potatoes				X14	X						X10		
Tomatoes	X14	X14		X	X	X		X	X3		X	X	X
Watermelon	X	X		X	X1	X	X14	X	X3		X	X	X1
Superscripts: a=seed treatn			1 1. T							10 4		4 11 / 4	

Table E-9. Commonly Used Fungicides Registered for Vegetables - continued

X=fungicide is registered for the crop. The number next to X=PHI (days to harvest); if no number is present PHI=0 days. XGH=labeled for greenhouse use (see also Table E-11 "Selected Fungicides and Bactericides Labeled for Greenhouse Use)."

Fungicides	Forum (dimethomorph)	Gavel (zoxamide+mancozeb)	Gem (trifloxystrobin)	Headline (pyraclostrobin)	Headline AMP (pyraclostrobin+metconazole)	Inspire Super (difenoconazole+cyprodonil)	iprodione	Luna Experience (fluopyram+tebuconazole)	Luna Privilege (fluopyram)	Luna Sensation (fluopyram+trifloxystrobin)	mancozeb	Merivon (fluxapyroxad+pyraclostrobin)	metalaxyl
FRAC Code(s)	40	22 + M03	11	11	11 + 3	3+ 9	2	7 + 3	7	7 + 11	M03	7 + 11	4
Asparagus											X180		X
Beans, snap				X7			Xe				71100		X
Beans, lima	X7			X7			Xe		X14				X
Beets	217		X7	217			11		7111			X7	X
Broccoli	X7		217			X7	X					217	X
Carrots	21.7		X7			21.7	X					X7	X
Celery	X7		X7				71					X1	X
Chinese cabbage	X7		21.7			X7						211	X
Cole crops	X7					X7							X
Cucumbers	X5	X5				X7					X5	X	X
Eggplants	X5	713	X3			X					713	71	X
Garlic	X5	X7	713			X7	X				X7	X7	X
Greens, mustard	X7	217				X7	21				211	217	71
Greens, turnip	X7					X7							
Horseradish	21.7		X7			21.7						X7	X
Leeks	X5		217			X7						X7	X
Lettuce	X7					117	X14					X1	X
Muskmelons	X5	X5				X7	2117				X5	X	X
Okra	713	715				117					710		
Onions, dry	X5	X7	-	1		X7	X7	1		 	X7	X7	X
Onions, green	X5	X7				X14	117				11,	X7	
Parsley	X7	127	-	1		23.1-7	1	1		 		X1	X X
Parsnips	217		X7									X7	X
Peas			11,	X7								11,	X
Peppers	X5		X3	217		X							X
Potatoes	X5	X14 ^d	X7	X3		† 	X14	1	X7	<u> </u>	X14 ^d		X
Pumpkin/winter squash	X5	X5				X7		<u> </u>		t		X	X
Radish						<u> </u>				<u> </u>		X7	X
Spinach	X7			1				1				X1	X
Squash, summer	X5	X5		1		X7		1			X5	X	X
Strawberries	_						Xe	1	X1	†		X	
Sweet corn				X7	X7			1			X7		
Sweet potatoes				X3				1					X
Tomatoes	X5	X5	X3			X					X5		X
Watermelon	X5	X5		1		X7		X7	X	X	X5	X	X

Table E-9. Commonly Used Fungicides Registered for Vegetables - continued

X=fungicide is registered for the crop. The number next to X=PHI (days to harvest); if no number is present PHI=0 days. XGH=labeled for greenhouse use (see also Table E-11 Selected Fungicides and Bactericides Labeled for Greenhouse Use).

Fungicides	Moncut (flutolanil)	Omega (fluazinam)	phosphonates ^a	Presidio (fluopicolide)	Previcur Flex (propamocarb)	Priaxor (fluxapyroxad+pyraclostrobin)	Pristine (pyraclostrobin+boscalid)	Procure (triflumizole)	Proline (prothioconazole)	propiconazole	Quadris Opti (azoxystrobin+chlorothalonil)	Quadris Top (difenoconazole+azoxystrobin)	Quash (metconazole)
FRAC Code(s)	7	29	33	43	28	7 + 11	11 + 7	3	3	3	11 + M05	3 + 11	3
Asparagus													
Beans, snap		X14	X			X7				X7			
Beans, lima		X30	X			X7				X7	X14		
Beets		1100		X7		11,				X14	111.		
Broccoli	X	X50	X	X2		X3		X1		7111		X1	
Carrots	21	X7	21	X7		713	X	211		X14	X	X7	
Celery		217	X	X2			X			X14	X7	21.7	
Chinese cabbage		X20	X	X2		X3	74	X1		7.17	21/	X1	
Cole crops	X	X20	X	X2		X3		X1				X1	
Cucumbers	21	7120	X	X2	X2	713	X	X	X7		X1	X1	
Eggplants		X30	X	X2	712	X	71	21	211		211	X	
Garlic		X7	X	712		21	X7			X14	X7	X7	
Greens, mustard	X	X20	X	X2		X3	117	X1		227	117	X1	
Greens, turnip	X	X20	X	712		X3		X1				X1	
Horseradish	21	7120	21	X7		713		211				711	
Leeks			X	217			X7			X14	X14	X7	
Lettuce		X30	X	X2	X2		217	X		2117	2117	21.7	
Muskmelons		X30	X	X2	X2		X	X	X7		X1	X1	
Okra		X30		112	112				11,		711	711	
Onions, dry		X7	X				X7			X14	X7	X7	
Onions, green		21,	X				X7			X14	X14	X7	
Parsley	 	+	X	X2	1	 	12.7	X	1	X14	23.1-7	11/	
Parsnips				X7									
Peas	 	1	X	1	1	X7			X7		1	<u> </u>	1
Peppers		X30	X	X2	X5	X						X	
Potatoes	X	X14	X	-	X14	X7			1		X14	X14	X1
Pumpkin/winter squash			X	X2	X2		X	X	X7		X1	X1	
Radish				X7	 	1			 		<u> </u>	<u> </u>	
Spinach			X	X2	1	1			1				
Squash, summer			X	X2	X2	1	X	X	X7		X1	X1	
Strawberries		1			<u> </u>		X	X1	<u> </u>	X	<u> </u>	X	
Sweet corn					1	X7			1	X14			
Sweet potatoes				X7	1				1			X14	X1
Tomatoes			X	X2	X5	X					X	X	
Watermelon		X30	X	X2	X2	1	X	X	X7		X1	X1	

Table E-9. Commonly Used Fungicides Registered for Vegetables - continued

X=fungicide is registered for the crop. The number next to X=PHI (days to harvest); if no number is present PHI=0 days. XGH=labeled for greenhouse use (see also Table E-11 Selected Fungicides and Bactericides Labeled for Greenhouse Use).

Fungicides	Quilt (propiconazole+azoxystrobin)	Quilt Xcel (propiconazole+azoxystrobin)	Quintec (quinoxyfen)	Rally (myclobutanil)	Ranman (cyazofamid)	Reason (fenamidone)	Revus (mandipropamid)	Revus Top (mandipropamid+difenoconazole)	Ridomil Gold, Ultra Flourish (mefenoxam)	Ridomil Gold Bravo (mefenoxam+chlorothalonil)	Ridomii Gold Copper (mefenoxam+copper)	Ridomii Gold MZ (mefenoxam+mancozeb)
FRAC Code(s)	3 + 11	3 + 11	13	3	21	11	40	3 + 40	4	4 + M05	4 + M01	4 + M03
Asparagus	-			X180					X			
Beans, snap	X7	X7		X 100	X	X3	X1		Xb		X7	
Beans, lima	X7	X7		71	X	X3	211		Xb		X3	
Beets	21/	21.7			71	X14			X		213	
Broccoli					X	X2	X1		Xb	X7		
Carrots	X14	X14			X14	X14	711		Xb	X7	X7	
Celery	X14	X14			2117	X2	X1		X	217	217	
Chinese cabbage	2117	7117			X	X2	X1		Xb	X7		
Cole crops					X	X2	X1		X	X7		
Cucumbers				X	X	X14	X		X	X	X5	X5
Eggplants			X3	X	X	X14	X		X			
Garlic	X14	X14				X7	X7		Xa	X7	X10	X7
Greens, mustard					X	X2	X1		Xb			
Greens, turnip					X	X2	X1		Xb			
Horseradish						X14			Xa			
Leeks	X	X				X7	X7		X	X14	X10	X7
Lettuce			X1	X3	X	X2	X1		Xa			
Muskmelons			Х3	X	X	X14	X		X	X	X5	X5
Okra				X	X	X14	X					
Onions, dry	X14	X14				X7	X7		X	X7	X10	X7
Onions, green	X	X				X7	X7		X	X14	X7	
Parsley					X	X2	X1		X			
Parsnips						X14			X			
Peas									Xb			
Peppers			X3	X	X	X14	X		X		X7	
Potatoes					X7	X14		X14	X	X14	X14	X14
Pumpkin/winter squash			X3	X	X	X14	X		X	X	X5	
Radish						X14			X		X7	
Spinach					X	X2	X1		X		X3	
Squash, summer				X	X	X14	X		X	X	X5	X5
Strawberries		X	X1	X					X			
Sweet corn	X14	X14										
Sweet potatoes					X7	X14			X			
Tomatoes			X3	X	X	X14		X1	X	X5	X14	X5
Watermelon			X3	X	X	X14	X		X	X	X5	X5

Table E-9. Commonly Used Fungicides Registered for Vegetables - continued

X=fungicide is registered for the crop. The number next to X=PHI (days to harvest); if no number is present PHI=0 days. XGH=labeled for greenhouse use (see also Table E-11 Selected Fungicides and Bactericides Labeled for Greenhouse Use).

							•						
		Stratego (propiconazole+trifloxystrobin)								_		(hc	
		tro								Uniform (mefenoxam+azoxystrobin)		Zampro (ametoctradin+dimethomorph)	
		xys		<u> </u>	<u> </u>					rok		non	í:i
		flo		omi	ani					yst		eth	lon
		-tt:		10 X	Kou					Xoz		din	tha
		ole-		Switch (cyprodinil+fludioxonil)	cyn				$\overline{}$	1+a	©	u+u	OTO
	(ii	nazo]+[ie +		_	Z.	nid	tam	Vivando (metrafenone)	adi	hlć
	lani	cor		i <u>i</u>	don		(B)	eth	naı	kou	ıfer	octr	e+C
	neth	opi		roc	xa	به	Terracior (PCNB)	thiophanate-methyl	nfe	efe	etra	Jetc	hid
	rin	(pr		cyp	om	zol	r (F	ate	yfl	m)	Ü.	(an	хат
	(b)	20	e,c,e) u	(f2	ua	clo	ıan) (m.	ф	ro	oz)
	r a	ate	l III	itc	sou) on	ra.	de	ij	i.jo	_an	dw	<u>5</u> 6
	Scala (pyrimethanil)	Str	Sulfur c.e	S	Tanos (famoxadone+cymoxanil)	tebuconazole	Tei	thi	Torino (cyflufenamid)	Un	Viv	Za	Zing! (zoxamide+chlorothalonil)
FRAC CODE(S)	9	3 +	M02	9+	11 +	3	14	1	U06	4 +	50	45+	22+
TRUE CODE(S)		11	1,102	12	27		1-7	1	000	11	50	40	M05
Asparagus			X			X180							
Beans, snap			X	X7		X14	X14	X14		X			
Beans, lima			X	X7		X14	X14	X14		X			
Beets			X	X7		X7				X			
Broccoli			X	X7		X7	X					X	
Carrots			X	X7									
Celery			X	X				X7		X		X	
Chinese cabbage				X7		X7	X			X		X	
Cole crops			X	X7		X7	X			X		X	
Cucumbers			X	X1	X3	X7		X1	X	X	X	X	X
Eggplants			X	X		X7					X	X4	
Garlic	X7		X	X7	X3	X7	X	Xa		X		X	X7
Greens, mustard			X	X7		X7				X		X	
Greens, turnip			X	X7		X7							
Horseradish	775		X	X7	110	***				**		***	
Leeks	X7		N/	X7	X3	X7				X		X	
Lettuce Muskmelons			X	X X1	X1 X3	X7		X1	X	X	X	X	X
Okra			X	X	A3	X7 X3		Λl	Λ	Λ	X	Λ	Λ
Onions, dry	X7		X	X7	X3	X7		Xa		X	Λ	X	X7
Onions, green	X7		X	X7	X3	X7		Xa		X		X	Δ/
Parsley	Α,		Λ	X7	X1	A		Aa		X		X	
Parsnips			X	X7	711					71		21	
Peas			X	117						X			
Peppers			X	X	Х3	X7	X				X	X4	
Potatoes	X7		X	X7	X			X21				X4	X7
Pumpkin/winter squash			X	X1	X3	X7		X1	X	X	X	X	X
Radish			X	X7						X			
Spinach	Ì		X	X	X1	1				X	1	X	
Squash, summer			X	X1	X3	X7		X1	X	X	X	X	X
Strawberries	X1		X	X		1		X1	X			1	
Sweet corn		X14				X7							
Sweet potatoes	X7		X	X7			X			X			
Tomatoes	X1		X	X	X3	X7	X				X	X4	X5
Watermelon				X1	X3	X7		X1	X	X	X	X	X