

Commonly used herbicides on vegetables in New York and rotation considerations for cover crops

Herbicide	Common name	MOA	Annual ryegrass	Barley	Buckwheat	Cereal rye	Oats	Peral Millet	Sorghum	Triticale	Wheat	Radish	Alfalfa	Clover	Cowpea	Field pea	Vetch	Max Rotation	Comments	
Months																				
2, 4-D	2, 4-D	4	3	1	3	1	1	3	3	3	3	3	3	3	3	3	3	3	3	
AAtrex	atrazine	5	a	abc	a	abc	abc	a	b	a	abc	a	a	a	a	a	a	a	a	
Accent	nicosulfuron	2	8	8	10-18	4	8	10-18	10-18	10-18	8	10-18	10	10-18	10-18	10-18	10-18	10-18	10-18	pH rotation restriction; Rotation intervals extended 12 months if drought conditions prevail after application and before rotational crop is planted.
Acuron	S-metolachlor, atrazine, mesotrione, bicyclopyrone	5, 15, 27	4	4	18	4	4	18	10	18	4	18	18	18	18	18	18	18	18	if applied after June 1, rotation to crops other than corn (all types) may result in crop injury
Aim	carfentrazone	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12 month rotation restriction to non-labelled crops
Assure II	quizalofop p-ethyl	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Balan	benefin	3	10	10	10	10	10	10	10	10	10	12	0	0	12	12	12	12	12	
Basagran	benazone	6	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	
Buctril	bromoxynil	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Callisto	mesotrione	27	18	4	4	4	0	0	0	4	4	18	10	18	18	18	18	18	18	see label for mesotrione exception - only corn and grain sorghum can be planted as the next rotational crop
Chateau	flumioxazin	14	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	
Clarity	dicamba	4	f	f	4	f	f	f	f	f	4	4	4	4	4	4	4	4	4	only count days when ground not frozen
Curbit	ethalfluralin	3	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	
Devrinol	napropamide	15	6	6	6	6	6	6	6	6	6	12	12	12	12	12	12	12	12	
Dual Magnum	metolachlor	15	12	4.5	a	4.5	4.5	12	12	12	4.5	2g	4	9	12	12	12	12	12	
Eptam	EPTC	8	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	
Fusilade DX	fluzifop-p-butyl	1	d	2	d	2	2	2	2	2	2	d	d	d	d	d	d	d	d	
GoalTender	ozyfluorfen	14	10	10	10	10	10	10	10	10	10	2	2	2	2	2	2	2	10	treated soil must be thoroughly mixed to a depth of 4 inches after harvest (or abandoning) of the treated crop prior to planting rotational crop.
GramoxoneInteon	paraquat	22	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	
Harness	acetochlor	15	18	18	18	18	18	18	18	18	4	18	9	9	9	9	9	9	18	do not graze or feed crop for 18 months
Impact	topramezone	27	18	3	18	3	3	18	9	18	3	18	9	18	18	9	18	18	18	
Karmex	diuron	7	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Kerb	pronamide	3	12	12	12	12	12	12	12	12	12	3-7 g	1-1.5 g	3	d	0	3	12	12	
Laudis	tembotrione	27	18	4	18	4	4	18	10	18	4	18	10	18	18	10	18	18	18	
Lorox	linuron	7	4	4	12	4	4	12	0 gi	12	4	4	4	4	4	4	4	4	12	
Matrix	rimsulfuron	2	4	9	18	18	9	18	18	18	9	18	4	18	18	8	18	18	18	thorough soil mixing (2 x) and field bioassay suggested
Metribuzin 75	metribuzin	5	18	4 o	18	18	18	18	18	18	4 o	18	4 o	18	18	8	18	18	18	
Optill	safinacil +imazethapyr	2, 14	40 j	9.5	40 j	4	18	40 j	18	40 j	3	40 j	4	4	1	4	40 j	40 j	40 j	only crops harvested at maturity may be used as feed or food
Outlook	dimethenamid	15	a	4	a	4	4	a	a	a	4	a	a	a	a	a	a	a	a	
Permit	halsulfuron	2	2	2	2	2	2	2	2	2	2	12	9	9	9	9	9	9	36	rotational intervals may need to be extended during drought or cool conditions
Poast	sethoxydim	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	
PoastPlus	sethoxydim+cyclohexen	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	
Prefar	bensulide	8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	soil must be tilled to a minimum depth of 4 inches prior to replanting
Prowl	pendimethalin	3	10,12 k	4 l	12	12	12	12	10,12 k	12	4 l	12	12	12	0	12	12	12	12 f	
Raptor	imazamox	2	18	4	18	4	9	9	18	18	3,15 lmn	18	3	18	0	0	18	18	18	regional differences on rotational restrictions
Reflex	fomesafen	14	4	4	18	4	18	18	18	18	4	18	18	18	10	10	18	18	18	
Reglone	diquat	22	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	
Roundup WeatherMax	glyphosate	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	any crop not on label 1 month planting restriction
Sandea	halosulfuron	2	2	2	.	2	2	2	2	2	2	12	9	9	.	9	.	36	36	
Select Max	clethodim	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	
Sharpen	safinacil	14	4-9	0-3	4-9	0-3	0-3	0-3	0-3	0-3	0-3	4-9	4-9	4-9	4-9	0-6	4-9	9	9	rate restriction; rotation interval does not include dates when the ground is frozen
Sonolan	ethalfluralin	3	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	12-18	18	10	18	18	18	18	18	18	do not plant small seeded grasses in fall if applied in spring; moldboard plowing 12 inches prior to planting will help avoid injury
Spin-Aid	phenmedipham	5	3	3	3	3	3	3	3	3	3	d	d	d	d	d	d	d	d	
Stinger	clopyralid	4	0	0	18	0	0	0	10.5	0	0	10.5	0	18	18	18	18	18	18	
Strategy	ethalfluralin + clomazone	3, 13	16	16	16	16	16	16	9	16	12	16	16	16	16	9	16	16	16	rate restriction
Surpass EC	acetochlor	15	a	a	a	a	a	a	a	a	4	a	a	a	a	a	a	a	a	
Treflan	trifluralin	3	12, 14 kl	12, 14 kl	5	5	12, 14 kl	12, 14 kl	12, 14 kl	5	5	5	5	5	5	5	5	5	12, 14 kl	

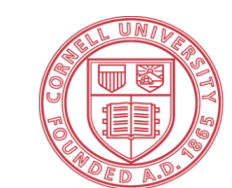
a=the next crop may be planted the following spring
 b=planting date restriction
 c=application timing restriction
 d=no crop rotation restrictions specified

e=rate restriction and tillage restriction
 f= 15 days per 8 fl oz/A east of Mississippi River
 g=rate restriction
 h=after harvest

i=harvest restriction
 j=requires field bioassay
 k=rotational crops used for feed must be harvested at maturity
 l=precipitation requirement

m=tillage specific restrictions
 n=soil pH restrictions
 o= Following peas, lentils or soybeans

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Information sources include pesticide labels, Cornell Vegetable Guidelines, and http://ipcm.wisc.edu/download/pubsPM/Herbicide-Rotation-Restrictions_FINAL.pdf