

Tree Fruits and Nuts

Pome fruits: apple and pear

Stone fruits: apricot, peach, nectarine, cherry, prune, plum

Nuts: hazelnut, walnut, and chestnut

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Quick Reference Guide to Herbicides Labeled for Use in Hazelnuts

Active ingredient [WSSA #] (trade name)	Rate pounds ai/a (product)	Max amount per season (product)	Appl. per year/ Reapply (month)	Minimal Age (month)	Replant (month)	Incorporation (IN/day)	PHI (day)
SOIL ACTIVE HERBICIDES							
dichlobenil [20] (Casoron 4G)	4 to 6 lb ai (100 to 150 lb)	6 lb ai (150 lb)	1/(12)	1	12	0.5-1"/0	30
diuron [7] (generic)	1.6 to 2.4 lb ai (se label)	3.2 lb ai (see label)	2/(5)	12	24	0.5"/14	-
indaziflam [29] (Alion)	0.04 to 0.06 lb ai (3.5 to 5 fl oz)	0.09 to 0.13 lb ai (7.0 to 10.3 fl oz)	2/3	12	12	-/21	14
isoxaben [21] (Trellis SC)	0.5 to 1 lb ai (16 to 31 fl oz)	1.0 lb ai (31 fl oz)	2/(-)	0	0	0.5"/21	60
napropamide [15] (Devrinol 50DF)	4 lb ai (8 lb)	4 lb ai (8 lb)	-/(12)	0	12	1-2"/3	-
norflurazon [12] (Solican DF)	1.95 to 3.93 lb ai (2.5 to 5 lb)	3.93 lb ai (5 lb)	-/(0)	6	12	0.5-1"/28	60
oryzalin [3] (Surflan)	2 to 6 lb ai (2 to 6 quarts)	12 lb ai (12 quarts)	-/(2.5)	0	0	1"/21	-
pendimethalin [3] (Prowl H2O)	1.9 to 6 lb ai (2 to 6.3 quarts)	6 lb ai (6.3 quarts)	-/(1)	0	12	1"/-	60
simazine [5] (generic)	2 to 4 lb ai (see label)	4 lb ai (see label)	2/(3)	0	12	0.5"/-	21
sulfentrazone [14] (Sulfentrazone 4SC)	0.25 to 0.375 lb ai (8 to 12 fl oz)	0.375 lb ai (12 fl oz)	2/(2)	36	1	0.5"/14	3
trifluralin [3] (Treflan 4L)	0.5 to 1 lb ai (1 to 2 pints)	1 lb ai (2 pints)	n/a	0	0	-/1	60
SOIL AND FOLIAR ACTIVE HERBICIDES							
flazasulfuron [2] (Mission)	0.03 to 0.04 lb ai (2.14 to 2.85 oz)	0.09 lb ai (5.7 oz)	2/(3)	36	12	0.5"/14	130
flumioxazin [14] (Chateau SW)	0.18 to 0.38 lb ai (6 to 12 oz)	0.76 lb ai (24 oz)	-/(1)	12	2	0.5"/-	60
halosulfuron [2] (Sandea)	0.03 to 0.06 lb ai (0.6 to 1.3 oz)	0.13 lb ai (2.6 oz)	2/(1.5)	12	9	0.5"/-	1
mesotrione [27] (Broadworks, Motif)	0.09 to 0.18 lb ai (3 to 6 fl oz)	0.36 lb ai (12 fl oz)	3/(1.5 -3)	12	18	-/21	30
oxyfluorfen [14] generic	1.25 to 2 lb ai (1 to 4 pints)	2 lb ai (4 pint)	-	0	1	0.5"/21	60
oxyfluorfen + penoxsulam [14 + 2] (Pindar GT)	1.47+0.03 lb ai (1.5 to 3 pints)	2.2 + 0.04 lb ai (4.5 pints)	2/(1)	48	1	0.5"/21	60
quinclorac [4] (Quinstar 4L)	0.37 lb ai (12.6 fl oz)	0.74 lb ai (25.2 fl oz)	1	-	10	n/a	nb
rimsulfuron [2] (Matrix)	0.03 to 0.06 lb ai (2 to 4 oz)	0.06 lb ai (4 oz)	1-2/(1)	12	12	0.5"/21	14

Quick Reference Guide to Herbicides Labeled for Use in Hazelnuts (cont.)

FOLIAR ACTIVE HERBICIDES							
2,4-D [4] (various)	0.95 to 1.4 lb ai (see label)	1.9 lb ai (see label)	2/(2.5)	12	1	n/a	60
carfentrazone [14] (Aim EC)	0.01 to 0.03 lb ai (1 to 2 fl oz)	0.079 lb ai (7.9 fl oz)	-(0.5)	0	0	n/a	3
clethodim [1] (Select max)	0.07 to 0.12 lb ai (9 to 16 fl oz)	0.64 lb ai (64 fl oz)	3/(0.5)	0	0	n/a	14
diquat [22] (Reglone)	0.37 to 0.56 lb ai (1.5 to 2 pints)	0.56 lb ai (2 pints)	-(0.5)	12	0	n/a	nb
fluazifop [1] (Fusilade DX)	0.25 to 0.375 lb ai (16 to 24 fl oz)	1.125 (72 fl oz)	3/(0.5)	0	0	n/a	nb
glufosinate [10] (generic)	0.88 to 1.5 lb ai (48 to 82 fl oz)	4.5 lb ai (246 fl oz)	0.5	0	6	n/a	14
glyphosate [9] (Roundup Powermax)	0.38 to 3.69 lb ae (11 to 105 fl oz)	7.87 lb ae (224 fl oz)	0.5	0	0	n/a	3
paraquat [22] (generic)	0.625 to 1 lb ai (2.5 to 4 pints)	5 lb ai (20 pints)	5/(0.5)	0	0	n/a	1
pelargonic acid (Scythe)	3 to 10 % v/v	n/a	n/a	n/a	n/a	n/a	1
pyraflufen [14] (Venue)	0.002 to 0.005 lb ai (2 to 4 fl oz)	0.0085 lb ai (6.8 fl oz)	2/(1)	12	0	n/a	0
saflufenacil [14] (Treevix)	0.04 lb ai (1 oz)	0.13 lb ai (3 oz)	4/(0.7)	1	1	n/a	7
sethoxydim [1] (Poast)	0.19 to 0.47 lb ai (1.5 to 2.5 pints)	1.88 lb ai (10 pints)	-(0.5)	0	0	n/a	15
SUCKER CHEMICAL PRUNING							
2,4-D [4] (generic)	0.71 to 0.95 lb ai (see label)	1.9 lb ai (see label)	4/(1)	12	1	n/a	45
carfentrazone [14] (Aim EC)	0.03 lb ai (2 fl oz)	0.079 lb ai (7.9 fl oz)	3/(0.5)	0	0	n/a	3
glufosinate [10] (generic)	1.0 lb ai (56 fl oz)	4.5 lb ai (246 fl oz)	-(0.5)	0	6	n/a	14
paraquat [22] (generic)	0.625 to 1 lb ai (2.5 to 4 pints)	5 lb ai (20 pints)	5/(0.5)	0	0	n/a	1
pelargonic acid (Scythe)	5 to 7 % v/v	n/a	n/a	n/a	n/a	n/a	1
pyraflufen [14] (Venue)	0.002 to 0.005 lb ai (2 to 4 fl oz)	0.0085 lb ai (6.8 fl oz)	2/(1)	12	0	n/a	0
saflufenacil [14] (Treevix)	0.04 lb ai (1 oz)	0.13 lb ai (3 oz)	3/(0.7)	1	1	n/a	7

¹ WSSA # to Weed Science Society of America herbicide site of action group number.
Abbreviation: PHI – preharvest interval; nb – nonbearing; n/a – not applicable; “-” – no information