

Evaluation of Apple Cultivars for Hard Cider Production in the Northeast

Study conducted at Walden Heights Nursery Orchard Walden, VT 2021

All study results by tannin/phenols

Cultivar	tannin/phenols mg/l
stone	102
gingergold	248
green peak	248
summerred	262
williams pride	268
freedom	315
peterson	322
gruzhova of moscow	402
snowsweet	421
leo	435
cortland	438
74818	439
whitney	472
antonovka 48	500
lobo	504
redfree	529
empire	544
big red duchess	548
pound sweet	553
honeygold	570
hazen	581
false freedom	597
false yarlington	600
walden golden	639
harcourt	670
audrey transparent	690
no peace	719
wild -583	719
mac summerland red	722
greensleeves	742
haralred	744
anaros	757
regent	769
shiwawsee	770
wodarz	774
elstar	779
autumn arctic	783
36-305	787
red burke	789
wagener	794
fantazja	801
redhook	805
ribston pippin	806
slovianka	810



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Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

Todd Parlo conducted this study and has worked in plant science for the past thirty years. His family established Walden Heights Nursery and Orchard (WHNO) twenty-five years ago, in Walden VT (US zone 3). WHNO includes a fruit tree arboretum of more than 600 distinct apple varieties, and includes thousands of established fruit trees, bushes and vines managed under certified organic practices, sustainable agriculture, and permaculture principles. The farm has a processing component and storage facility for cider production. WHNO is also a propagation-style nursery, producing stock for farm use and sales - local retail and online. Additionally, WHNO offers consulting, educational workshops, and other services. www.WaldenHeightsNursery.com

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dudley winter	827
fameuse	828
priscilla	834
mcintosh	846
arlie's redflesh	863
arlie's redflesh	863
chestnut crab	863
red wealthy	867
spartan	876
honeycrisp	880
davey	891
morden	893
oxbo	899
equinox	922
wild - rr 2	947
shay	950
chenango strawberry	951
hawaii	953
dolgo 299	966
sunrise	966
norson	969
bedford	971
liberty	976
chenango strawberry	978
boiken	987
opalescent	989
magog redstreak	995
oriole	999
bud 490	1012
hewesmata crab	1013
marlin stephens	1014
norland	1014
newt grindle	1025
ugly antonovka	1033
red baron	1051
garland	1064
noran	1077
golden russet	1092
white pippin	1093
lord lambourne	1095
milwaukee	1096
sweetcrab	1096
macfree	1101
burgundy	1104

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prairie spy	1106
novamac	1107
vista bella	1114
island winter	1115
macoun	1115
bethel	1116
redfree	1150
goldrush	1152
swayzie	1163
almata	1165
ashmead's kernal	1171
crab - 542	1171
wealthy	1188
ozark gold	1191
malinda	1205
dakota	1222
hubbardston nonesuch	1222
sweet 16	1223
walden calville	1223
howgate wonder	1235
lowland raspberry	1251
spencer	1254
morden 363	1256
severny sinap	1260
kitchell yellow	1261
wild - rr 8	1277
75413	1282
norda	1285
cinnamin	1290
columbia crab	1305
alexander	1322
westfield snf	1327
mantet	1336
blue pearmain	1399
purple mac	1424
scott winter	1441
wild - rr4	1445
greening	1446
ellison's	1452
smokehouse	1455
haralson	1472
black oxford	1478
anisim	1483
rogers red	1492

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northwest greening	1532
keepsake	1575
nova easygro	1618
morden 359	1632
frostbite	1636
cox's orange pippin	1643
american beauty	1659
erwin bauer	1686
columbia crab	1714
blue pearmain	1721
bedford	1742
antonovka 1.5	1767
white pippin	1770
beautiful arcade	1775
wolf river	1784
gopher	1816
breaky	1819
centennial	1872
niagara	1886
crab -341	1897
stowe crab	1937
britemac	2001
wedge	2070
redrock	2079
wild - 308 -6	2079
redfield	2104
75414	2110
75414	2110
carroll	2118
citrus 932	2121
atlas	2147
sakhi	2155
crab - 821	2172
croncels	2236
antonovka 88	2269
winter banana	2308
pomme gris	2357
pomme gris	2357
Niedzwetzkyana	2358
rouville	2418
wild - rr10	2633
yarlington mill	2650
golden lights	2654
bud 118	2691

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irish peach	2758
anoka	2781
hewes crab	2845
hiburnal	2865
crab - 835	2988
amsib	3242
parkland	3317
crab soc-12	3529
reine de pomme	4136
crab - bc101	4232
hiburnal	4232
kazakh 761	4281
wild - 79	4281
crab - gbr-21	4323
two trunk bittercrab	4323
white angel	4323