

New 2014 hop varieties for research trial

1. **AlphAroma vf 1151 – 2013:** New Zealand super alpha aroma
2. **Cashmere 2013:** Higher alpha acid content than Cascade and twice as much humulene. Provides smooth bitterness with mild aroma.
3. **Cluster L-8:** Classic all-purpose, original “C” citrus hop
4. **Columbia vf1152 – 2013:** developed for Budweiser in 1960s; favored by brewmasters in 6 out of 6 brew tests; overruled by head brewer at the time.
5. **Copper** (aka T212) new proprietary variety bred at Great Lakes Hops
6. **Crystal:** super aroma, often used with Magnum
7. **Fuggie H:** USA version of classic, with higher oils and more potent than original.
8. **Glacier:** all-purpose aroma flavor with low cohumulone level that brews a very smooth, balanced beer.
9. **Horizon:** high alpha / aroma variety
10. **Magnum:** German extract/bittering hybrid
11. **Newport:** new high alpha bittering variety
12. **Santium;** all-purpose aroma hop bred from Tettnanger/Hallertauer noble cross
13. **Serebrianka vf 2013 “Silver Hop”** ; Russian noble aroma hop. Name translates in Russian to “smooth tongue”
14. **Southern Brewer:** South African high alpha aroma variety
15. **Southern Cross:** New Zealand high alpha aroma variety
16. **Spalter Select:** a superior Noble aroma hop used in ultra-premium beers. Pairs well with Magnum.
17. **Ultra:** Noble cross, reports of good yields in northern growing areas.
18. **Vojvodina:** Yugoslavian high-alpha aroma hop; “Super Golding” with double the alphas of Golding.
19. **Wye Challenger:** English Svaloef cross, unusually higher alpha profile
20. **Yeoman:** high alpha aroma. Robust bittering variety with high oils.
21. **Zeus:** super high-alpha commonly included with CTZ, but different. Makes a “heady” IPA
22. **Zenith:** high alpha aroma variety bred at Wye College in England.

Second-year 2013 hop varieties

23. **Amallia:** vigorous, native New Mexico variety with strong orange citrus notes
24. **Brewer’s Gold:** heirloom American hop
25. **Cascade:** by far, the most popular craft brewing hop among Montana brewers.
26. **Centennial:** sometimes called “Super Cascade”, has nearly double the alpha profile.
27. **Chinook.** Popular super alpha hybrid, dual purpose bittering/flavoring hop
28. **Columbus** (aka CTZ): very high alphas & oils. high bittering qualities.
29. **Galena:** vigorous super-alpha bittering-type hop
30. **Golding:** Classic English aroma hop
31. **Liberty:** noble aroma variety
32. **Mount Hood:** noble aroma variety, most popular variety in Hallertauer breeding program
33. **Multihead:** Newer native New Mexican variety; not much is known. Floral aspects, can produce double cones. Good all-around hop.
34. **Neo 1:** Native New Mexican variety, “super lemon” citrus aspect
35. **Northern Brewer:** Good versatile all-purpose hop with high-oils.
36. **Nugget:** high alpha bittering / flavoring variety in the US and Germany
37. **Sterling:** improved Saazer type. a noble / American aroma type
38. **Tettnanger:** Noble-type aroma variety derived from Swiss Tettnanger clone. Dual purpose hop.
39. **Willamette:** a widely grown, quality aroma / flavoring “workhorse” hop

**Flathead County
Extension Office**

*Montana State University,
U.S. Department of
Agriculture and Montana
Counties Cooperating.
MSU Extension is an equal
opportunity/affirmative
action provider of
educational outreach.*

1108 South Main Street, Ste. 4
Kalispell, MT 59901
<http://flathead.mt.gov/extension>

Tel (406) 758-5553
Fax (406) 758-5881
E-mail extension@flathead.mt.gov