



WVDA Hemp Program

Summary of Hemp Varieties Tested in West Virginia during 2019 & 2020

This list shows the hemp varieties tested in West Virginia during the 2019 & 2020 growing seasons. West Virginia Department of Agriculture collected all hemp samples and performed the THC analysis. The THC results shown in this table are the highest “total THC” percent calculated for each hemp variety.

Hemp is defined as the plant *Cannabis sativa* L. and any part of that plant, including the seeds thereof and all derivatives, extracts, cannabinoids, isomers, acids, salts, and salts of isomers, whether growing or not, with a delta-9 tetrahydrocannabinol (THC) concentration of not more than 0.3 percent on a dry weight basis. The measurement of the THC concentration includes both delta-9 THCa and delta-9 THC which is referred to as total THC or THC post-decarboxylation.

This list is not a guarantee of total THC percent of each variety. It is intended to provide information and guidance to license holders before purchasing seed or plant propagules for the 2021 growing season. West Virginia does not have certified or prohibited hemp varieties. The varieties listed in red had at least one sample test above the 0.3% total THC threshold.

Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
10P	0.195	0.195	1	0
12 24	0.16	0.155	2	0
13L	0.433	0.433	1	1
19W	0.139	0.139	1	0
1L	0.504	0.504	1	1
22QD	0.179	0.179	1	0
A Minor ACC	0.19	0.190	1	0
Abacus	0.525	0.328	5	3
Abacus 2D	0.430	0.430	1	1
Afternoon Delight	0.208	.173	3	0
Apple Butter	0.169	0.1422	2	0
Aqua Woman	0.197	0.131	2	0
ASG	0.458	0.458	1	1



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Auro 2	0.06	0.060	1	0
Aurora	0.18	0.180	1	0
Auto Flower	1.075	1.075	1	1
Auto Pilot	0.065	0.065	1	0
AVI	0.121	0.121	1	0
Baox	0.481	0.152	32	1
Baox/Felina	0.19	0.19	4	0
Baox Spectrum	0.07	0.07	1	0
Barnyard Ace	0.32	0.260	2	1
Berry Blossom	0.188	0.161	2	0
Bixon	0.427	0.233	2	1
Blackjack	0.286	0.198	2	0
Black Label	0.245	0.153	2	0
Bluegrass	0.165	0.165	1	0
Broadway Sweeten	0.019	0.019	1	0
Buckshot Cherry	0.099	0.099	1	0
C1	0.04	0.040	1	0
C2	0.094	0.067	2	0
C4	0.08	0.080	1	0
Candy Sauce	0.08	0.080	1	0
Carmagnola	1.06	0.655	2	1
Carolina Dream	0.107	0.107	1	0
Cat's Meow CBD	0.3357	0.3357	1	1
CBG	0.208	0.076	14	0
CBG 13	0.164	0.164	1	0
CBG Matterhorn	0.034	0.03	5	0
Chardonnay	0.14	0.137	2	0
Cherry	1.38	0.248	17	2
Cherry A.	0.112	0.112	1	0
Cherry 308	0.032	0.032	1	0
Cherry Blossom	0.294	0.134	19	0
Cherry Butler	0.089	0.089	1	0
Cherry Citrus	0.131	0.131	1	0
Cherry Cobbler	0.147	0.106	4	0
Cherry Creek	0.35	0.35	1	1



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Cherry F5	0.811	0.811	1	1
Cherry Hybrid	0.11	0.110	1	0
Cherry Fin	0.162	0.162	1	0
Cherry Hybrid	0.11	0.11	1	0
Cherry Trump	0.124	0.105	2	0
Cherry Ultra	0.1205	0.1205	1	0
Cherry Wine	1.077	0.251	39	9
Cherry X	0.4	0.4	1	1
CI	0.123	0.123	1	0
Cinco	0.18	0.180	1	0
Close Country Roads	0.633	0.633	1	1
Cope	0.539	0.539	1	1
Cruella Deville	0.278	0.278	1	0
Cube	0.1	0.100	1	0
Dawg	0.482	0.482	1	1
Double 00 Cherry	1.18	0.672	3	3
Eletta Campana	0.136	0.103	2	0
Eclipse	0.186	0.176	2	0
Elektra	0.58	0.224	7	2
Eletta Campana	0.07	0.070	1	0
Experimental	0.76	0.760	1	1
Fedura	0.06	0.060	1	0
Felina	0.08	0.080	1	0
Fruit Cake	1.943	1.012	2	1
Fruity	0.125	0.125	1	0
Futura	0.07	0.070	1	0
Gatsby	0.065	0.065	1	0
Goliath	0.171	0.115	7	0
Green Fruitcake Bubblegum	2.304	2.304	1	1
Green Lightning	0.237	0.237	1	0
H2C	1.95	1.420	4	4
H5	0.279	0.124	5	0
Hawaiian Haze	0.069	0.069	1	0
Heavenly Pepper	0.44	0.345	2	1
Helena	0.09	0.075	2	0



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Hempress	0.201	0.095	3	0
Hot Blonde	0.343	0.343	1	1
Indica	0.089	0.089	1	0
Ivonka	0.19	0.19	1	0
Jupiter	0.28	0.114	26	0
KLR	0.432	0.159	4	1
KLR Gas	0.086	0.086	1	0
KLR Orange Peel	0.09	0.09	1	0
Large Marge	0.184	0.184	1	0
Lavender CBG	0.071	0.071	1	0
Lavender Kush	0.95	0.95	1	1
Leach	0.21	0.21	1	0
Lifter	0.29	0.144	4	0
Lindorea	0.075	0.075	1	0
Madre Seis	0.171	0.171	1	0
Mango	0.134	0.134	1	0
Matterhorn	0.034	0.031	2	0
Medicine Woman	0.13	0.125	2	0
Merlot	0.326	0.187	8	1
Midwest	0.291	0.1	41	0
Midwest Dunk	0.12	0.120	1	0
Morgan Star	0.341	0.341	1	1
Mountain Mama	0.386	0.309	4	3
Mountain Mango	0.115	0.113	2	0
Mountain Flower	0.125	0.125	1	0
Nepalese Tonic	0.209	0.209	1	0
Northwest	0.231	0.231	1	0
OGC	0.113	0.113	1	0
Opulent	0.281	0.151	3	0
Orange Peel	0.096	0.096	1	0
Otto 2	0.04	0.038	2	0
Otto 2 Baox	0.094	0.094	1	0
P. Cherry	0.196	0.196	1	0
Painted Lady	0.228	0.228	1	0
Panakeia	0.005	0.005	1	0



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Pink Lady	0.046	0.046	1	0
Pink Pistol	0.79	0.313	3	1
Pinnacle	0.042	0.042	1	0
Pliny	0.262	0.188	3	0
Purple Cowboy	0.171	0.171	1	0
Purple Fruitcake Bubblegum	0.775	0.775	1	1
Queen Dream	0.297	0.224	2	0
R2D2	0.096	0.096	1	0
Red Barn ACC2	0.13	0.130	1	0
Red Bordeaux	0.15	0.15	1	0
Redwood	0.129	0.072	3	0
S 45	0.14	0.105	2	0
Sangria	0.125	0.125	1	0
Sativa	0.069	0.069	1	0
Scotia C2	0.134	0.134	1	0
Sever	0.092	0.092	1	0
Sierra Gold	0.108	0.108	1	0
Sour Space Candy	0.148	0.144	2	0
Special Sauce	0.345	0.231	4	1
Spectrum	0.124	0.086	4	0
SR1	0.179	0.141	2	0
Stable Cherry	0.175	0.175	1	0
Stem Cell	0.223	0.223	1	0
STi	0.409	0.409	1	1
Stormy Daniels	0.35	0.132	12	1
Stout	0.099	0.099	1	0
Strawberry Kush	0.436	0.436	1	1
Super CBD	0.139	0.124	2	0
Suver Haze	0.5	0.122	18	1
Sweet	0.207	0.193	2	0
Sweet Caroline	0.185	0.185	1	0
Sweet Leaf	0.135	0.135	1	0
Sweet Wife	0.128	0.128	1	0
Sweeten	0.77	0.257	7	2
T1 (Trump)	0.47	0.154	33	3



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
T2	0.161	0.140	2	0
T4	0.495	0.495	1	1
Terp Town	0.243	0.243	1	0
Tesla	0.398	0.398	1	1
TLV	0.45	0.45	1	1
Transparency CBG	0.072	0.072	1	0
Tygra	0.2	0.160	2	0
Uno	0.16	0.160	1	0
Valentine	0.449	0.449	1	1
Vaux	0.103	0.103	1	0
Very Berry	0.3	0.300	1	1
Virginia Hemp	0.28	0.214	5	0
Watermelon Dream Sauce	0.325	0.325	1	1
White CBG	0.157	0.062	5	0
Wife	0.433	0.134	10	1
Wojoko	0.12	0.097	3	0
Wolf	0.329	0.329	1	1
Y10	0.36	0.360	1	1
Young sim	0.66	0.660	1	1
Youngsten	0.28	0.280	1	0