



WVDA Hemp Program

Summary of Hemp Varieties Tested in West Virginia during 2019 - 2021

This list shows the hemp varieties tested in West Virginia during the 2019, 2020 & 2021 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
4D	0.292	0.292	1	0
Abacus	0.525	0.31	6	3
Abacus 2	0.430	0.3076	2	1
Abby	0.095	0.095	1	0
Afternoon Delight	0.208	.173	3	0
Alpha X	0.248	0.248	1	0
Alpine Star	0.899	0.899	1	1



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Apple Butter	0.169	0.1422	2	0
Aqua Woman	0.197	0.131	2	0
ASG	0.458	0.458	1	1
Ato Big	0.053	0.053	1	0
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	0.151	37	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
BBX2	0.341	0.341	1	1
Berry Blossom	0.188	0.153	3	0
Bixon	0.427	0.233	2	1
Blackberry Glow	0.135	0.135	1	0
Blackjack	0.286	0.198	2	0
Black Label	0.245	0.153	2	0
Bluegrass	0.165	0.165	1	0
Bornabor	0.231	0.231	1	0
Box Wine S1	0.145	0.145	1	0
Box wine	0.319	0.319	1	1
Broadway Sweeten	0.019	0.019	1	0
Bubba Kush	0.512	0.506	3	3
Buckshot Cherry	0.099	0.099	1	0
C1	0.325	0.182	2	1
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	0.077	20	0
CBG 13	0.164	0.122	2	0



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
CBG Matterhorn	0.034	0.03	5	0
Chardonnay	0.445	0.267	4	2
Cherry	1.38	0.243	18	2
Cherry Appalachia	0.141	0.127	2	0
Cherry 308	0.032	0.032	1	0
Cherry Blossom	0.503	0.169	25	3
Cherry Bubblegum	0.373	0.297	2	1
Cherry Butler	0.089	0.089	1	0
Cherry Citrus	0.537	0.334	2	1
Cherry Cobbler	0.147	0.106	4	0
Cherry Creek	0.35	0.35	1	1
Cherry F5	0.811	0.811	1	1
Cherry Fruitcake	0.346	0.346	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	0.415	0.208	3	1
Cherry Ultra	0.1205	0.1205	1	0
Cherry Wine	1.077	0.25	42	10
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
Cloud Berry	0.151	0.151	1	0
Cobbler	0.221	0.221	1	0
Cope	0.539	0.539	1	1
Crooked Creek Mix	0.14	0.14	1	0
Cruella Deville	0.278	0.278	1	0
Cube	0.1	0.100	1	0
Dawg	0.482	0.482	1	1
Dream	0.428	0.428	1	1
Double 00 Cherry	1.18	0.672	3	3
Early Blossom	0.201	0.201	1	0
Early Girl	0.099	0.099	1	0
Eletta Campana	0.136	0.103	2	0



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Eclipse	0.301	0.22	3	1
Elektra	0.58	0.202	8	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
Frosted Lime	0.312	0.312	1	1
Fruit Cake	1.943	1.012	2	1
Fruity	0.16	0.112	3	0
Futura	0.07	0.070	1	0
FV	0.053	0.053	1	0
Gatsby	0.065	0.065	1	0
Golden Cherry	0.113	0.113	1	0
Goliath	0.171	0.139	8	0
Goon	0.308	0.308	1	1
Grape Soda	0.089	0.089	1	0
Green Fruitcake Bubblegum	2.304	2.304	1	1
Green Lightning	0.237	0.237	1	0
Grizzly	0.445	0.353	3	2
Guava	0.029	0.029	1	0
H2C	1.95	1.420	4	4
H5	0.279	0.124	5	0
Hawaiian Haze	0.405	0.215	4	1
Head Meadi	0.119	0.119	1	0
Heavenly Pepper	0.44	0.345	2	1
Helena	0.09	0.075	2	0
Hempres	1.768	0.513	4	1
HF1	0.068	0.068	1	0
HH1	0.056	0.055	2	0
Hot Blonde	0.39	0.291	3	2
Indica	0.089	0.089	1	0
Ivonka	0.19	0.19	1	0
Jupiter	0.28	0.114	27	0
KLR	0.469	0.221	5	2
KLR Gas	0.148	0.116	2	0



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
KLR Orange Peel	0.09	0.09	1	0
Kush	0.043	0.043	1	0
La Crème	0.065	0.065	1	0
Laberna	0.317	0.176	2	1
Large Marge	0.319	0.252	2	1
Lavender CBG	0.122	0.095	2	0
Lavender Kush	0.95	0.95	1	1
Leach	0.21	0.21	1	0
Lemon	0.446	0.446	1	1
Lifter	0.499	0.205	6	1
Lindorea	0.075	0.075	1	0
Madre Seis	0.171	0.171	1	0
Mango	0.134	0.134	1	0
Matterhorn	0.293	0.092	8	0
Medicine Woman	0.13	0.125	2	0
Merlot	0.326	0.184	9	1
Midwest	0.408	0.109	43	1
Midwest Dunk	0.12	0.120	1	0
Morgan Star	0.341	0.341	1	1
Mountain Mama	0.386	0.212	9	3
Mountain Mango	0.341	0.189	3	1
Mountain Flower	0.125	0.125	1	0
Nepalese Tonic	0.209	0.209	1	0
Northwest	0.434	0.331	2	1
OGC	0.284	0.199	2	0
Opulent	0.281	0.151	3	0
Orange Peel	0.096	0.096	1	0
Oregon Rose	0.342	0.342	1	0
Original Suzy	3.379	3.379	1	1
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	0.263	0.216	4	0
Panakeia	0.039	0.073	2	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
Photo CBD	0.421	0.421	1	1
Pine W	0.075	0.075	1	0
Pink Panther	0.155	0.1687	2	0
Pink Pistol	0.79	0.313	3	1
Pinnacle	0.042	0.042	1	0
Pliny	0.262	0.188	3	0
Purple 52	0.533	0.409	2	1
Purple Cowboy	0.171	0.171	1	0
Purple Emperor	0.342	0.342	1	1
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
RL 1	0.256	0.256	1	0
Rosy's Special Blend	0.262	0.262	1	0
Rogue	0.282	0.282	1	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
Skunk	0.455	0.455	1	1
Sour	0.400	.177	4	1
Sour Electra	0.573	0.573	1	1
Sour Space Candy	0.511	0.304	4	2
SPEC	0.066	0.066	1	0
Special Sauce	0.345	0.203	5	1
Spectrum	0.213	0.111	5	0
SR1	0.179	0.141	2	0
Stable Cherry	0.175	0.175	1	0



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Stem Cell	0.223	0.223	1	0
STi	0.409	0.409	1	1
Stormy Daniels	0.392	0.163	15	2
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	0.139	19	2
Sweet	0.207	0.193	2	0
Sweet Caroline	0.185	0.185	1	0
Sweet Grass	0.292	0.292	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)	0.56	0.154	42	7
T2	0.161	0.140	2	0
T4	0.495	0.495	1	1
TCB	0.132	0.132	1	0
Terp Town	0.243	0.243	1	0
Tesla	0.398	0.398	1	1
Therapy Bloc	0.22	0.22	1	0
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	0.711	0.270	7	1
Watermelon	0.497	0.497	1	1
Watermelon Dream Sauce	0.325	0.325	1	1
West Slop Crush	0.347	0.347	1	1
White CBG	0.157	0.059	8	0
Wife	0.22	0.11	9	0
Wojoko	0.12	0.097	3	0
Wolf	0.329	0.329	1	1



Variety	Highest Total % THC	Average Total % THC	Number of Samples Tested	Number of Samples Tested Above 0.3%
Y10	0.36	0.360	1	1
Young sim	0.66	0.660	1	1
Youngsten	0.28	0.280	1	0
Zombie Kush	2.355	1.221	2	1