



Industrial Hemp Research Pilot Program Summary of Varieties: Including Varieties of Concern and Prohibited Varieties

Updated: January 25, 2017

All participants should review this document before purchasing seed or plant propagules for the 2017 Industrial Hemp Research Pilot Program in Kentucky. This document provides important guidance for growers based on the THC test results obtained in 2016. Provided here is a list of Prohibited Varieties and Varieties of Concern as well as the other varieties that were grown and tested in the 2016 program year.

The growth, production and marketing of industrial hemp in research pilot programs is authorized under 7 U.S.C. § 5940 (also known as Section 7606 of the 2014 Farm Bill), and administered in the Commonwealth by the Kentucky Department of Agriculture (KDA) through the KDA Industrial Hemp Research Pilot Program (IHRPP). 7 U.S.C. § 5940 defines industrial hemp as “the plant *Cannabis sativa* L. and any part of such plant, whether growing or not, with a delta-9 tetrahydrocannabinol [THC] concentration of not more than 0.3 percent on a dry weight basis.” Outside of the auspices of KDA’s IHRPP or another 7 U.S.C. § 5940 program, industrial hemp remains listed under 21 U.S.C. § 801 *et seq.* as a Schedule I Controlled Substance.

The *THC Testing Protocol for the 2016 Program*, released by KDA on August 19, 2016, provides the following definitions:

- (4) “*Prohibited Variety*” means a variety excluded in perpetuity from the KDA Industrial Hemp Research Pilot Program.
- (7) “*Variety of Concern*” means any variety of industrial hemp in the KDA program that tests above 3000 parts per million (ppm) or 0.3000% 9-THC in one (1) or more samples in a given year. An industrial hemp variety designated as a “*Variety of Concern*” may be subject to restrictions and additional testing. Materials testing above 0.3% may be subject to law enforcement jurisdiction.

In 2016, Kentucky program participants reported that they collectively planted more than 50 unique varieties / named strains / germplasms. In that year, approximately 60% of the reported acreage planted in Kentucky was focused on phytocannabinoid research. (Phytocannabinoids are a broad class of chemicals produced in the floral material of the plant; these include THC and other compounds of nutraceutical interest such as Cannabidiol (CBD).) Current scientific research suggests that phytocannabinoids have proportional relationships. Therefore, as growers work to increase the hemp plant’s CBD or other phytocannabinoid production, KDA’s hemp staff is appropriately concerned about



potentially increased THC levels. KDA remains committed to restricting its program so that it produces hemp that meets the legal definition of “industrial hemp” in 7 U.S.C. § 5940. To that end, KDA is publishing this list to help growers plan their future research in KDA’s Industrial Hemp Research Pilot Program.

Varieties of Concern – Current List (last update: 1/25/2017)

The varieties / named strains / germplasm listed below, were reported to be planted and were sampled in Kentucky in 2016, meet the definition of a *Variety of Concern* because they had at least one THC test result above 3000 ppm. Growers who are considering whether to use these varieties in the future should exercise caution and remain aware of the KDA *Varieties of Concern and Prohibited Varieties* Lists. These varieties are at a higher risk for exceeding the THC limit and potentially resulting in the ordered destruction of the crop. In addition, these varieties will have restrictions and additional testing as the research program continues. These designations are subject to change.

- | | |
|----------------------|-------------------|
| 1) Carmagnola Select | 11) KCC1 |
| 2) CBDRx Cherry | 12) KCC2 |
| 3) Cherry | 13) KCC6 |
| 4) Cherry #9 | 14) KCC7 |
| 5) CHG | 15) KCC8 |
| 6) CHY | 16) KCC10 |
| 7) HK-04 | 17) KCC12 |
| 8) Hope | 18) Sterling Gold |
| 9) HS1 | 19) Wife |
| 10) HS2 | 20) Z4 |

NOTE: KDA will update this list as additional test result data become available. Varieties may be added or removed.

Prohibited Varieties (last update: 1/25/2017)

The varieties / named strains / germplasm of cannabis varieties listed below were reported to be planted and were sampled in Kentucky in 2016. These varieties have been designated as *Prohibited Varieties*. As outlined in the *THC Testing Protocol for the 2016 Program*,

- *If more than 50% of Pre-Harvest Tests for a given Variety of Concern are above 3000 ppm then this variety may be designated as a Prohibited Variety and excluded in perpetuity from the KDA Industrial Hemp Research Pilot Program.*
- *If a Pre-Harvest Test is equal to or greater than 6000 ppm 9-THC that variety shall be labeled a Prohibited Variety and excluded in perpetuity from the KDA Industrial Hemp Research Pilot Program.*

- *If a variety is banned from the KDA program, then to retain their MOU and to continue participation in the KDA program, the KDA may require the participant to destroy the plants and all germplasm of this variety, with Kentucky State Police (KSP) and/or KDA onsite to witness. Methods of destruction include burning and/or mowing.*

- 1) CHA
- 2) Genesis AV1
- 3) KCC3

NOTE: KDA will update this list as additional test result data become available. Varieties may be added or removed.

Additional Varieties – Current List (last update: 1/25/2017)

In addition to those varieties listed above, the varieties listed below were reported to be planted and were sampled in Kentucky in 2016. Varieties contained in this list produced acceptable THC test results in 2016 and therefore are not currently designated as *Prohibited Varieties* or *Varieties of Concern*.

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|----------------|-------------------|
| 1) Alyssa | 18) HK07 |
| 2) Canda | 19) HK08 |
| 3) Carmagnola | 20) Joey |
| 4) CFX-1 | 21) Katani |
| 5) CFX-2 | 22) KY Plume |
| 6) CRS-1 | 23) MS77-CHG |
| 7) CW2a | 24) Picolo |
| 8) Delores | 25) PR13 |
| 9) Dion Hemp 4 | 26) Santhica 27 |
| 10) Fedora 17 | 27) Tygra |
| 11) Felina 32 | 28) USO 31 |
| 12) Fibrol | 29) Victoria |
| 13) Finola | 30) Wojko |
| 14) Futura 75 | 31) Workhorse |
| 15) Grandi | 32) Zolotonosha15 |
| 16) HK05 | |
| 17) HK06 | |

NOTE: KDA will update this list as additional test result data become available. Varieties may be added or removed.