Interactive Questions

Question 1:

How many countries grow or research industrial hemp?

● 29
● 33
● 41
● 47

Explanation:

At least 47 countries grow hemp for commercial or research purposes.

Question 2:

True or False. In the United States, does a Cannabis plant with a marijuana genetic background that has been selected to consistently produce progeny with a Delta-9-tetrahydrocannabinol (THC) content of <0.3% classify as industrial hemp?

● True

Explanation:

Cannabis is a genus with wide chemotypic diversity. The distinction between hemp and marijuana is an artificially designated human construct. Under the US Agriculture Act of 2014 section 7606, to legally to be classified as hemp the Cannabis plant must contain <0.3% THC. The genetic background is irrelevant, provided the plants produce less than 0.3% THC. This specification has been particularly beneficial to breeders for developing high cannabidiol (CBD) hemp varieties. Historically, marijuana has been bred for high levels of metabolite production (primarily THC, but more recently CBD), whereas hemp has been selected for fiber or grain yield. In states with locally-legalized marijuana production (e.g. Colorado), Cannabis breeders can cross marijuana with hemp or select for high CBD/very low THC marijuana strains to produce new high-CBD
hemp varieties. Once meeting the legal definition for hemp, these varieties can be
grown by farmers in states compliant with the Agriculture Act of 2014 but lack
locally-legalized marijuana (e.g. Kentucky).

False

Question 3:

When was the last hemp crop grown in the United States?

1933
1937
1945
1957

Explanation:

Contrary to popular belief, the end of the United State hemp industry was not directly
caused by the Marijuana Tax Act of 1937. Similarly, hemp production in the US did not
cease with the end of World War II. The Rens Hemp Company last grew hemp in
Wisconsin in 1957. Hemp seed was obtained from Kentucky and grown in Wisconsin
for fiber production.

Reference:


Question 4:

True or False. Despite being used for over 6000 years, hemp remains a partially
domesticated crop. ?

● True

Explanation:

Hemp retains several traits which are typically lost during crop domestication. These traits include susceptibility to seed shattering, inconsistent germination, and flowering depends on the photoperiod (most cultivars).

● False

Question 5:

True or False. In one growing season, one acre of hemp produces yield as much pulp for paper as 4x as an acre of trees. ?

● True

● False

Explanation:

While widely propagated across the internet, this claim is incorrect. The annual dry matter yield per hectare of hemp is similar to that of fast growing tree crops such as poplar and willow.

Image 1

Which plant is industrial hemp?
Question 6:

In the prior photo, which plant is industrial hemp? ?

- Left
- Right
- Both

Explanation:

Both are different varieties of industrial hemp. Left is a grain variety and right is a fiber variety. These photographs illustrate the diversity of morphology found in hemp.

- Neither

Question 7:

How many different cannabinoids have been identified in Cannabis? ?

- 30-49
- 50-69
- 70-89
- 90-109

Explanation:

Currently, over 90 cannabinoids have been identified in Cannabis.

Reference:

Question 8:

Delta-9-tetrahydrocannabinolic acid and cannabidiolic acid are produced in which type of trichomes?

- Bulbous
- Capitate-sessile
- Capitate-stalked

**Explanation:**

The current evidence suggests cannabinoids are produced in the capitate-stalked glandular trichomes.

- Non-glandular

**Image 2**
Does this show a monoecious or dioecious hemp plant?

**Question 9:**

Does the above photo show a monoecious or dioecious hemp plant? ?

- Dioecious
- Monoecious

*Explanation:*

This plant shows both open male flowers and seeds. The seeds are female flowers which have already been pollinated. As this plant had both male and female flowers it is monoecious.

**Question 10:**

Hemp is most closely related to which plant? ?

- Breadnut (Artocarpus camansi)
- Common Fig (Ficus carica)
- Common Hop (Humulus lupulus)
- Mulberry (Morus notabilis)

*Explanation:*

Both hemp and hops belong to the Cannabaceae family.