## HEENG CULTIVATION IN INDIA: A STEP FORWARD TOWARDS ATAM NIRBHAR BHARAT

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#### **INTRODUCTION**

Heeng or Asafoetida (Ferula asafoetida) is an essential spice in many Indian dishes. It is a perennial essential spice in many Indian dishes. It is a perennial plant and it produces oleo-gum resin from the roots Asafoetida is bitter in taste and hot in effect, and after five years of plantation. It can be grown in can also be used to enhance flavours in roasted meat unutilized sloppy land of cold desert regions. The dishes. Asafoetida gives a comforting onion-garlic spice is extracted from the stem and tap root of the flavour in curries. It has a lingering taste that adds plant. It has pungent smell and named as 'devil's a special umami flavour to your dish. Commercially dung' or 'food of the devils' in the West. India, sold asafoetida is mixed with wheat flour and though, has more prosaic names, such as hing in Hindi and perungayam in Tamil. This plant is native The additives help to adjust the concentration of to the deserts of Iran and mountains of Afghanistan the asafoetida according to its usage. Hing kabuli where it is grown in a substantial amount. India sufaid (milky white asafoetida) and hing lal (red consumes around 50% of the total production in the world. Despite this, the spice was not being grown market. The white or pale variety is water soluble, in India, and the entire demand was met from whereas the dark or black variety is oil soluble. imports, around 90% from Afghanistan. Currently, around 1200 tons of raw heeng worth around Rs 600 crore is imported annually from Afghanistan, Iran and Uzbekistan to India. Although there is no cultivation in the country, it is processed in India using imported raw heeng.

#### **SPICE PROFILE OF**

gum Arabic to temper the acrid taste of the resin. asafoetida) are the two types of resin available in the

### OTHER PROPERTIES OF

Asafoetida is often used as an instant remedy for heartburn, indigestion, constipation and reflux.



According to Ayurveda, it has the ability to balance heeng. With the domestic production of heeng all the three doshas.

# FIRST EVER

Asafoetida was planted for the first time in India on October 2020. Its cultivation was started in India by its first plantation at Kwaring village in Lahaul and Uttarakhand and Arunachal Pradesh are suitable for Spiti district of Himachal Pradesh, at an altitude of its cultivation. In adverse weather conditions, it goes about 11,000 feet above mean sea level. Farmers of the Lahaul Valley have started taking up cultivation the Centre for High Altitude Biology (CeHAB - a of asafoetida (heeng), mainly due to the efforts research centre of CSIR-IHBT) in Ribling, Lahaul of the CSIR Institute of Himalayan Bioresource and Spiti as a trial. As part of the trial, asafoetida Technology, using the vast wasteland in the cold plants have been provided to only 7 farmers in the desert conditions of the region. Dr. Sanjay Kumar, valley at present for cultivation. Director CSIR-IHBT, planted the first saplings of

starting in India, import of asafoetida is expected to come down in the coming years.

CSIR-IHBT has introduced six accessions of heeng from Iran through the National Bureau of Plant Genetic Resources (NBPGR), New Delhi, and standardized its production protocols under Indian conditions. By bringing asafoetida seeds from abroad, the institute has developed a technique to grow the plant from it. Cold desert areas of India such as Lahaul and Spiti, Ladakh, parts of under dormancy. The Institute raised the plants at

