

Maharashtra's Best Turmeric

Under Registration of Geographical Indication (GI)



waigaoon
TURMERIC

Fights Against

- Cancer ■ HIV ■ Arthritis ■ Cold & Cough
- Skin Decease ■ Healing Wounds ■ Neurological Decease

Introduction

Wardha District is located in the central Vidarbha region of Maharashtra state and is named after its most important river, the 'Wardha'. The district is bounded on the west and north by Amravati District, on the south by Yavatmal District, on the southeast by Chandrapur District and on the east by Nagpur District.

The agro-climate of Wardha District is characterized by hot, dry and sub humid bio climate with dry summers and mild winters. In discussing the agro-ecological conditions that prevail in Wardha, the District Gazetteer published in 1974 notes, '....most of the disasters that befell Wardha District was not due to scarcity of rain but due to excess of it. This has been confirmed by the Fact

Finding Committee appointed by the then Government of Bombay in 1960. It was reported that the incidence of crop failure in the district is very low and whenever it happened it was due to excessive rains.

The area comes under assured rainfall zone. The rainfall distribution is sometimes uneven. Around 985mm to 1100mm rainfall distributed during monsoon season and is sufficient for turmeric crop.

Samudrapur is a town and tehsil of Wardha district which is famous for turmeric production. Waigaon is the village situated in the Samudrapur tehsil. Waigaon Turmeric is a traditional crop in Samudrapur tehsil. Approximately 80% of the farmers from Waigaon cultivate turmeric. It is important cash crop in this area. It is famous mainly because of its



Chemical Parameters

Characters	Observation	Explanation
pH	8.24	Medium Alkali
Organic Carbon (%)	0.425	Medium
Available Nitrogen (Kg/Ha)	294	Medium
Available Phosphorus (Kg/Ha)	22.590	Less
Available Potassium (Kg/Ha)	295.68	High

Uses -

Whole turmeric crop is useful in various manners.

- Turmeric powder and even fingers are used in marriage ceremony, religious ceremony. Turmeric tuber is used in 'Kankanbandhana' ceremony of Marathi or kokani wedding.
- People of ancient India believed that turmeric gives the energy of the Divine Mother and helps to grant prosperity. It is effective for cleansing the chakras (energy centers in the body) purifying the channels of the subtle body. Turmeric has traditional importance. Its paste is applied to forehead (third eye chakra) during puja (devotional ceremony) and wedding.
- Turmeric powder is used as essential spice in food preparation as an ingredient. It is used in curries and other food to improve storage conditions, palatability and preservation. It helps in enriching food colour.
- Turmeric powder prepared from dry turmeric old mother sets are used in preparing "Kumkum" which is non allergic. It is also used in 'Ashtgandh'.
- Dying cloths- Traditionally, turmeric also used to dye the marriage cloths. It was believed that any clothing dyed with turmeric was protection from fever. New clothes would sometimes be stained with a paste of turmeric, lime and water.
- Turmeric crop nourishes soil. It also acts as disinfectant for soil. Turmeric essential oil mixed with citronella, tulsi and vanillin works as a powerful insect repellent, and is a natural alternative to D.E.E.T. the most common chemical insect repellent commercially available.
- Turmeric colour extract can be used as organic food colour.





Description of Waigaon Turmeric

- Color is dark mustard yellow as compared to other turmeric varieties.
- Texture of this turmeric powder is very soft.
- Aroma of this turmeric is very pungent, still attractive.
- Whole dry turmeric finger sets are very thick and solid (fleshy).

Uniqueness

- The Waigaon variety matures in just 180 days, earlier than other varieties.
- The high Curcumine content is the key ingredient that lends Waigaon Turmeric its distinctive yellowness. The higher its percentage, the deeper is the yellow color. Waigaon Turmeric has 6.12% curcumine content. Waigaon Turmeric had a special standing for its aroma and curcumine content.
- It is completely natural farming. (Organic Farming certification is in process). Quality of Waigaon Turmeric and its medicinal value is maintained due to organic farming since no chemicals and pesticides are used.
- Very less quantity of powder is sufficient for increasing the color of food items.
- Durability of turmeric powder is more.

Chemical and Sensory analysis

Parameters	Waigaon Turmeric (whole Fingers)
Taste	Ranked Superior to other variety
Aroma	Ranked Superior to other variety
Flavour	Ranked Superior to other variety
Colour	Ranked Superior to other variety
Texture	Ranked Superior to other variety
Fat (g/100g)	1.09
Curcumine on dry Basis (g/100g)	8.1

Based on Chemical and Sensory analysis

Cancer treatment

Curcumine content is high in Waigaon Turmeric. Turmeric extracts and Curcumine have been found to be cancer preventing compounds in different tumor models, as well as in limited human studies. Curcumine Capsule is used as dietary supplement in treatment of cancer and other diseases.

To cure Cold and Cough

Turmeric powder is used to cure cough and cold.

Use to cure Arthritis

Turmeric is used in traditional medicine to treat arthritis.

Healing wounds

Turmeric essential oil works as an external antibiotic to prevent infections in wounds. A nice formula for wound healing salve is a mixture of olive oil, beeswax tea tree oil, aloe, turmeric, arnica, slippery elm, red clover thyme oil and vitamin E.

Skin diseases

It purifies and nourishes the blood and skin so that the glow of health is not attenuated by blemishes and impurities but rather amplified through clarity. Generally Turmeric is as an Ubtan (paste) with chick-pea flour, sesame or almond oil, a little fresh cream and honey is used to clear the patches on skin and increase the natural glow. Turmeric is bitter and anti-inflammatory, it is used for skin diseases, especially wet eczema.

Treatment in Neurological diseases

Turmeric is also helpful in treating and preventing neurological diseases like Alzheimer. Curcumine inhibits the accumulation of destructive beta amyloids in the brains of Alzheimer's patients. Curcumine is more effective in inhibiting formation of the protein fragments than many other drugs being tested to treat Alzheimer's. The prevalence of the disease among older adults in India is 4.4 times less than in the U.S., suggesting that many Indians might be benefiting from having turmeric as a dietary staple.





HIV treatment

Turmeric was also studied as a potential antiviral agent against Human Immunodeficiency Virus (HIV). The infection with HIV is characterized by a complex command system which results in virus activation or inactivation. The essential structural part of that command system in HIV is called Long Terminal Repeat (LTR). Drugs that interfere with LTR may be of potential therapeutic value in delaying active HIV infection and progression of AIDS. Curcumin has been found to effectively inhibit activation of the LTR and to decrease HIV replication. Antioxidant properties of Waigaon Turmeric could delay the progression of HIV. In fact, clinical studies show that taking nutritional supplements that boost the immune system in HIV-infected patients helps slow the virus down. In the recent studies at the Jawaharlal Nehru Centre for Advanced Scientific Research in Bangalore, scientists fed curcumin to HIV-infected cells in the laboratory, the virus stopped replicating. Curcumin could be used to help formulate a combination of drugs to treat HIV infection. Curcumin stops an enzyme called p300 from performing its normal role of controlling the activity of human genes. Because HIV integrates itself into human genetic material, when p300 stops working, the virus can no longer multiply.



सत्यमेव जयते

भारत सरकार
Government of India

भौगोलिक उपदर्शन पत्रिका

GEOGRAPHICAL INDICATIONS JOURNAL



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Advertised under Rule 41 (1) of Geographical Indications of Goods (Registration & Protection) Rules, 2002 in the Geographical Indications Journal 80 dated 02nd February, 2016

G.I. APPLICATION NUMBER – 471

Application Date: 26-03-2014

Application is made by **Waigaon Halad Utpadak Sangh**, Taluka: Samudrapur, District: Wardha, Maharashtra, India for Registration in Part A of the Register of **WAIGAON TURMERIC** under Application No: 471 in respect of Turmeric falling in Class – 30 is hereby advertised as accepted under Sub-section (1) of Section 13 of Geographical Indications of Goods (Registration and Protection) Act, 1999.

- A) **Name of the Applicant** : Waigaon Halad Utpadak Sangh
- B) **Address** : Waigaon Halad Utpadak Sangh,
Taluka: Samudrapur, District: Wardha,
Maharashtra, India
- C) **Types of Goods** : **Class 30 – Turmeric**
- D) **Specification:**

Botanical name of Turmeric is *Curcuma longa*,

- Waigaon Turmeric has distinct dark yellow color because of high Curcumin content which is more than 6%
- It has unique taste, enrich in oil content and pleasant aroma.
- It has special medicinal value.
- Little quantity of Waigaon Turmeric is sufficient to increase the color of food.
- Cultivation is in an Organic manner

Medicinal Uses of Waigaon Turmeric:

1. **Cancer treatment:** Curcumine content is high in Waigaon Turmeric. Turmeric extracts and Curcumine have been found to be cancer preventing compounds in different tumor models, as well as in limited human studies. Curcumine Capsule is used as dietary supplement in treatment of cancer and other diseases.
2. **HIV treatment:** Turmeric was also studied as a potential antiviral agent against Human Immunodeficiency Virus (HIV). The infection with HIV is characterized by a complex command system which results in virus activation or inactivation. The essential structural part of that command system in HIV is called Long Terminal Repeat (LTR). Drugs that interfere with LTR may be of potential therapeutic value in delaying active HIV infection and progression of AIDS. Curcumine has been found to effectively inhibit activation of the LTR and to decrease HIV replication. Antioxidant properties of Waigaon Turmeric could delay the progression of HIV. In fact, clinical studies show that taking nutritional supplements that boost the immune system in HIV-infected patients helps slow the virus down. In the recent studies at the Jawaharlal Nehru Centre for Advanced Scientific Research in Bangalore, scientists fed curcumine to HIV-infected cells in the laboratory, the virus stopped replicating. Curcumine could be used to help formulate a combination of drugs to treat HIV infection. Curcumine stops an enzyme called p300 from performing its normal role of controlling the activity of human genes. Because HIV integrates itself into human genetic material, when p300 stops working, the virus can no longer multiply.
3. **Treatment in Neurological diseases -** Turmeric is also helpful in treating and preventing neurological diseases like Alzheimer. Curcumine inhibits the accumulation of destructive beta amyloids in the brains of Alzheimer's patients. Curcumine is more effective in inhibiting formation of the protein fragments than many other drugs being tested to treat Alzheimer's. The prevalence of the disease among older adults in India is 4.4 times less than in the U.S., suggesting that many Indians might be benefiting from having turmeric as a dietary staple.
4. **Use to cure Arthritis.** Turmeric is used in traditional medicine to treat arthritis.
5. **Turmeric powder is used to cure cough and cold.**
6. **Skin diseases:** It purifies and nourishes the blood and skin so that the glow of health is not attenuated by blemishes and impurities but rather amplified through clarity. Generally Turmeric is used as Ubtan (paste) with chick-pea flour, sesame or almond oil, a little fresh cream and honey to clear the patches on skin and increase the natural glow. Turmeric is bitter and anti inflammatory, it is used for skin diseases, especially wet eczema.
7. **Healing wounds:** Turmeric essential oil works as an external antibiotic to prevent infections in wounds. A nice formula for wound healing is a mixture of olive oil, beeswax tea tree oil, aloe, turmeric, arnica, slippery elm, red clover thyme oil and vitamin E.



महाराष्ट्र स्पर्धाक्षम कृषी
विकास प्रकल्प



GI

भौगोलिक उपदर्शन (GI)

भौगोलिक उपदर्शन (GI) म्हणजे काय ?

जी आय म्हणजे जिओग्राफिकल इंडिकेशन म्हणजेच भौगोलिक उपदर्शन. एखादे विशेष उत्पादन एका विशिष्ठ भागातच तयार होत असेल व त्या उत्पादनाला तेथील माती, पाणी, वातावरण इत्यादीमुळे त्याचा दर्जा, प्रतिष्ठा व वैशिष्ट्यपूर्ण गुणधर्म निर्माण होताना अशा उत्पादनाला बौध्दीक संपदेचा दर्जा भौगोलिक उपदर्शन कायद्यांतर्गत मिळतो.

भौगोलिक उपदर्शन (GI) मुळे होणारे फायदे

- भौगोलिक उपदर्शन दर्जा म्हणजे केंद्र सरकारने त्या उत्पादनाला त्या जागेला आणि तेथील समुदायाला दिलेला टॅग असतो.
- भौगोलिक उपदर्शन मुळे त्या उत्पादनाच्या मुळ गुणवत्तेची खात्री मिळते तसेच त्याचा दर्जा, प्रतिष्ठा व वैशिष्ट्यपूर्ण गुणधर्म याची खात्री मिळते.
- भारतातील भौगोलिक उपदर्शन मिळाल्यामुळे कायदेशीर हक्क मिळतात त्यामुळे सदरचे उत्पादन निर्यात करण्यास प्रचंड संधी निर्माण होतात.
- भौगोलिक उपदर्शन नोंदणी केल्यामुळे अनधिकृत वापरावर प्रतिबंध येतात.
- विशिष्ठ भागातच उत्पादन होत असल्यामुळे उत्पादकांना चांगला आर्थिक लाभ होतो.
- भौगोलिक उपदर्शन नोंदणीच्या अधिकारामुळे त्या उत्पादनाच्या किमतीमध्ये आणि मागणीमध्ये प्रचंड वाढ होते.