



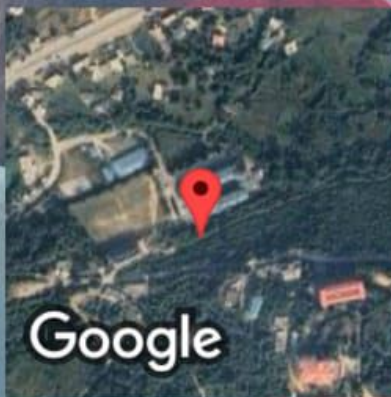
## GPS Map Camera

दाद्रीली, हिमाचल प्रदेश, भारत

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Lat 32.224391° Long 76.15655°

17/12/24 02:51 PM GMT +05:30



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**Photosynthesis**

$6CO_2 + 12H_2O \xrightarrow{\text{Light}} C_6H_{12}O_6 + 6H_2O + 6O_2$

**Requirements for Photosynthesis**

1. Presence of green leaves
2. Availability of sunlight
3. Availability of water and carbon dioxide



**Calibration of red rice (*Oryza sativa* L.) in different regions of Himachal Pradesh**  
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**ABSTRACT**

The red rice crop, which evolved the traits of resistance to Himalayan leishmaniasis, is an emerging crop. During crop evolution, it was one of the first important crops to be bred in India. With the introduction of high yielding rice varieties, the cultivation of red rice was restricted to the hilly areas of Himachal Pradesh. Now due to the awareness of health, nutritional change and climate, farmers are again growing red rice crop. Special nutritional and medicinal values are present in the rice crop, which has been extensively used in the treatment of various health problems, hypertension, obesity, diabetes, leishmaniasis, etc. However, red rice was a grass in about 10000 years of food crop of the world. Building the demand and creating awareness for the red rice, several in vitro studies have been conducted. In Himachal Pradesh, several a good amount of field trials are required for the red rice crop.

**INTRODUCTION**

Red rice with a red bran has evolved in the region of high altitude areas in Himachal Pradesh. It is a grass in about 10000 years of food crop of the world. Building the demand and creating awareness for the red rice, several in vitro studies have been conducted. In Himachal Pradesh, several a good amount of field trials are required for the red rice crop.

**METHODOLOGY**

Red rice with a red bran has evolved in the region of high altitude areas in Himachal Pradesh. It is a grass in about 10000 years of food crop of the world. Building the demand and creating awareness for the red rice, several in vitro studies have been conducted. In Himachal Pradesh, several a good amount of field trials are required for the red rice crop.

**AGRICULTURAL VALUES**

The whole grain is rich in protein, lipid, dietary fibre, essential vitamins, mineral and phytochemicals including several phenolic compounds (polyphenols) and anthocyanins and proanthocyanidins.

**HEALTH BENEFITS**

- Anti-oxidant
- Anti-carcinogenic
- Anti-diabetic
- Anti-obesity

**REFERENCES**

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3. Manoj Kumar, P. Kumar, N. Red Rice: A Phytochemical Composition, Nutritional and Medicinal Values. *Journal of Agricultural Science*, 2019, 153, 1-10.

4. Manoj Kumar, P. Kumar, N. Red Rice: A Phytochemical Composition, Nutritional and Medicinal Values. *Journal of Agricultural Science*, 2019, 153, 1-10.



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GPS Map Camera

**WEIGHING SCALE**

Paiza Sharma