
TECHNICAL SPECIFICATIONS FOR REGISTRATION OF GEOGRAPHICAL INDICATION

1. NAME OF THE GEOGRAPHICAL INDICATION

Chinese name: 巫溪洋芋

Transcription in Latin characters: Wuxi Yang Yu

Translation for information purposes: Wuxi Potato

2. CATEGORY OF THE PRODUCT FOR WHICH THE NAME IS PROTECTED

Fruit, vegetables and cereals fresh or processed - Vegetable

3. APPLICANT

Wuxi County Agricultural Technology Promotion Center

Address: No.259, Fengyi Road, Mazhenba, Wuxi County, Chongqing, China

4. PROTECTION IN CHINA

Announcement No. 1645 of the Ministry of Agriculture of the People's Republic of China

Date of Issuance: September 13, 2011

5. DESCRIPTION OF PRODUCT

Due to Wuxi County's unique "vertical distribution" of landform, "rich in potassium" agrotype, widely distributed river system and good water quality, unique three-dimensional climate, sufficient sunlight, big difference in temperature between day and night, and distinct cultivation and management, Wuxi Potato feature unique quality characteristics: smooth potato skin, yellowish gray with a slight sheen; smooth facets with light yellow color; after being stewed, it tastes tender delicate, slightly sticky, light fragrance. Wuxi Potato has dry matter content of 20% to 23.5%, starch content of 14% to 19.2%, reducing sugar content of 0.16% to 0.25%, and crude protein content of 1.5% to 2.6%.

6. CONCISE DEFINITION OF THE GEOGRAPHICAL AREA

Located at the northeast of Chongqing City and the southern foot of eastern section of Daba Mountain, Wuxi County is adjacent to Hubei Province at the east, connected to Shaanxi Province at the north, and near to the Yangtze River at the south. Wuxi County spreads from east longitude 108 ° 44' to 109 ° 58 ' and from north latitude 31 ° 14' to 31 ° 44'. There are 40,000 hectares of cultivated area in the whole county; among which 20,000 hectares are potato cultivated area, which has passed the identification of pollution-free origin, with annual output of 450,000 tons. Wuxi Potato' protected region for geographical indications of agricultural products covers all the over 30 towns in the area under the administration of the county, Those growing regions are distributed in a three-dimensional way at the section between 400-1,600 meters above the sea level.

Wuxi Potato has its own unique qualities, in addition to the special geographical conditions and climatic factor, the specific mode of production is also an important factor that affects the quality of products.

(1) Selection of Origin: Wuxi Potato' quality is directly affected by the soil and temperature. To ensure the quality of Wuxi Potato, yellow soil and purple soil should be chosen, which can be found at places between 400-1600 meters above sea level, presents strong tarnish resistance, good performance in retaining water and nutrients, and features high content of rapidly available potassium.

(2) Selection of species: In the early 1970s, virus-free potato breeding was carried out at Wuxi. Through constant introduction and screening of species, a virus-free well breeding system was formed with Mira and Hubei potato series products as the major variety. A healthy single potato that weighs between 50 ~ 75g with the characteristics of the species is chosen as the seed, which features high-yield, strong disease resistance, and good commodity that meet market demands, with typical characteristics of the species.

(3) Cultivation Method: cultivation is mainly in the pattern of potato - corn - potato / vegetable, with high multiple crop index and good microenvironment for potato growth.

7. LINK WITH THE GEOGRAPHICAL AREA

By virtue of the special terrain, soil texture, the three-dimensional climate, and the quality water resource, Wuxi Potato has such unique characteristics as soft, tender and slightly stick taste and light fragrance.

(1) Special terrain and soil texture: Mountain land is the main landform of Wuxi County, taking 93%; with high terrain at the east, west and north, and low terrain at the center and south; the lowest elevation is 175.5 meters, the highest elevation is 2796.8 meters, and the maximum relative height difference is 2,621.3 meters, general relative height difference is about 500 meters, it is a typical medium deep cut middle mountain terrain, with a distinct vertical zonality and unique karst landform. The main soil types here include yellow soil and purple soil, accounting for over 80% of total arable lands; the average organic matter content is 35.5g/kg, TN is 1.65g/kgGB5749, total phosphorus is 0.53g/kg, total potassium is 18.9g/kg, alkali-hydrolyzable nitrogen is 115.2g/kg, available phosphorus is 5.1g/kg, rapidly available potassium 123g/kg; the soil has strong corrosion resistance and good water and fertilizer retention; besides, being rich in potassium is particularly suitable for planting potatoes.

(2) High-quality water resource: there are 15 major rivers at Wuxi County, like Daninghe River and Tangxihe River, etc., which all belong to the Yangtze River System. Daninghe River Watershed covers most areas of the county. Total annual precipitation is 5.66 billion cubic meters. As there are less large towns or factories, mines and enterprises, the water resource here is pure without pollution, and in combination with high coverage of forest, the county is appraised as “a place with green mountains and pure rivers”. The water quality indicators met with Class II of living and drinking surface water source.

(3) Unique climatic conditions: Wuxi County has subtropical warm and humid monsoonal climate, the three-dimensional climate is apparent, the climate is mild, the four seasons are distinctive, sunshine and rainfall are abundant, the annual average temperature is 14.8 °C for low mountains, 11 °C for medium mountains, and

accumulated temperature greater than 10 °C is 4600 °C. The temperature here varies widely from day to night.

8. SPECIFIC RULES CONCERNING LABELLING AND USING (IF ANY)

To use the Wuxi Potato agricultural products geographical indications (which have been registered for protection) for the products or packages, the potato producers and operators within Wuxi Potato territorial scope must submit the application to the registration certificate holder - Wuxi County Agricultural Technology Promotion Center, standardize the indications for production and use them in accordance with relevant requirements and adopt the standard labeled method of product name combined with public label of the geographical indication.

9. CONTROL BODY / CONTROL AUTHORITY RESPONSIBLE FOR CHECKING THE RESPECT OF THE PRODUCT SPECIFICATIONS

Center for Agri-Food Quality and Safety, Ministry of Agriculture (Address: No.59, Xueyuan Nan lu, Haidian District, Beijing 100081, China)