

# Science of Spices: Turmeric

# **TURMERIC**

Woody Floral Turmeric is a leafy tropical plant in the ginger

family, which grows as a perennial in the wild.



**General Facts** 

**BOTANICAL NAME** Curcuma longa

MAJOR FLAVOR COMPOUND

## Turmerone & ar-turmrone

**REGION OF CULTIVATION** 

**PARTS USED** Rhizomes (fresh, dried, or powdered).

## Turmeric is thought to be native to India. It is cultivated mainly in that country (which

produces 90% of all turmeric powder), but also in China, Thailand, Cambodia, Malaysia, Indonesia, and the Philippines. **METHOD OF CULTIVATION** This annual crop is grown in heavily

## harvested when the leaves turn yellow.

manured furrows; rhizomes are

**PREPARATION** Rhizomes are boiled and dried; they are then sold whole or ground to a powder

### Fabric dye, coloring agent in cosmetics; in traditional

**NON-CULINARY USES** 

medicine as an antiinflammatory and antimicrobial agent. **POWDER** There are two main types: Madras in brighter yellow and

sweeter in taste than the pungent, earthy, ochre

## colored Alleppey turmeric, which is more prized.

**FRESH** 

prominent in raw rhizomes. Peel and then chop or grate them, like ginger.

Zesty flavors are more



**Kitchen Creativity** 



Frying in fat causes flavor compound molecules to disperse and form new compounds. This only happens above 266°F (130°C), so

Turmeric works well in complex blends, where its pungent earthiness acts as a base to help to bind other flavors together. Add sparingly if it is to

**Food Partners** 

White fish. Stir together turmeric, yogurt, and crushed garlic, and then spoon over fish fillets before grilling.

Lamb and pork.





Squash and cauliflower.



## 1 tbsp. cardamom seeds 1 tbsp. coriander seeds

1 tbsp. black peppercorns 7 tsp. cumin seeds

2 tbsp. ground turmeric Grind the whole spices and combine with the

# 1 lb. 2 oz. (500g) unsalted butter

flavorsome base fat for many regional African dishes, including hearty wat meat

1 medium onion, finely chopped 2 garlic cloves, finely chopped

1 tsp. fenugreek seeds 1 tsp. ground cumin 1 tsp. cardamon seeds 1/2 tsp. turmeric powder

1 tsp. dried oregano

1 tbsp. grated ginger

Malaysian fish curry paste

with chunks of any firm white fish.

2 tsp. coriander seeds 1 tsp. cumin seeds 1/2 tsp. fennel seeds

½ tsp. black peppercorns 4 medium dried chillies 1/2 tsp. turmeric powder

- thumb-sized piece of galangla, peeled and chopped 3 garlic cloves, chopped
- Lightly roast the whole dry spices in a frying pan, leave to cool, then grind to a powder along with turmeric. In a food processor or using a hand blender, blitz together

5 tbsp. shallot, chopped



**Blends to Try** 



Niter kibbeh

4 sage leaves Melt the butter in a pan over medium-low heat. Add the remaining ingredients and cook, stirring, for 20



