



Spices, Herbs, Seeds

Ayşen Öven





Sage



Wild Oregano



Cultivated Oregano

Turkey

Mediterranean Oregano

Origanum vulgare &
Origanum onites
(Labiatae)



Oregano Wild Crop

- C



Oregano Fields

1200 m above
sea level

16th April 2009



An aerial photograph showing a vast field of low-lying, green, bushy plants growing in a sandy, dune-like environment. The plants are densely packed in some areas and more sparse in others, creating a textured pattern of green against the light-colored sand. The lighting suggests a bright, sunny day, with shadows cast by the plants.

Oregano Fields
650 m
above sea level
16th April 2009



A photograph of a field with several raised beds of green oregano plants. The plants are dense and low-growing. In the background, there is a white wall and some yellow plastic mulch. The text "Oregano Seed Beds" and "16th April 2009" is overlaid in white.

Oregano Seed Beds
16th April 2009

Oregano Fields

16th April 2009



Ploughing the field



Weeding the field

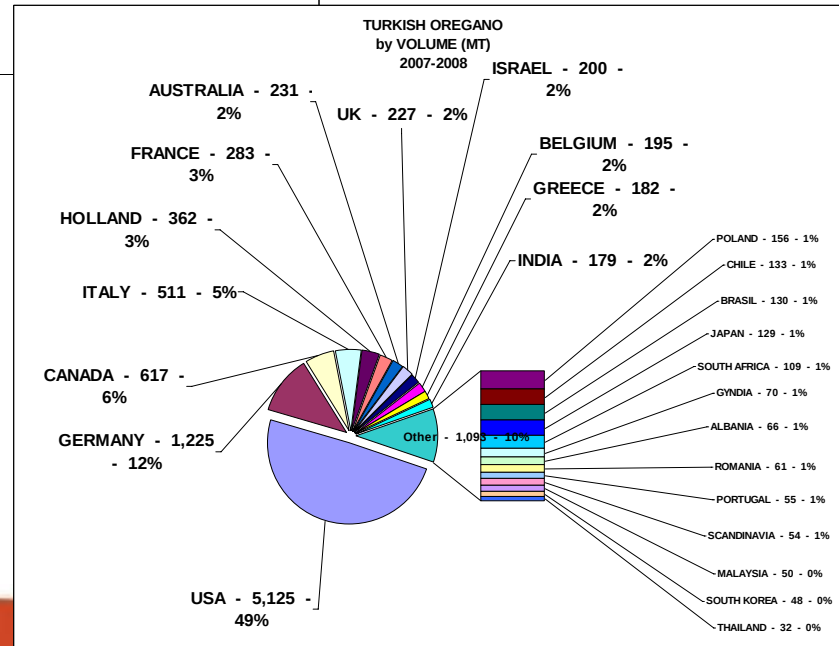
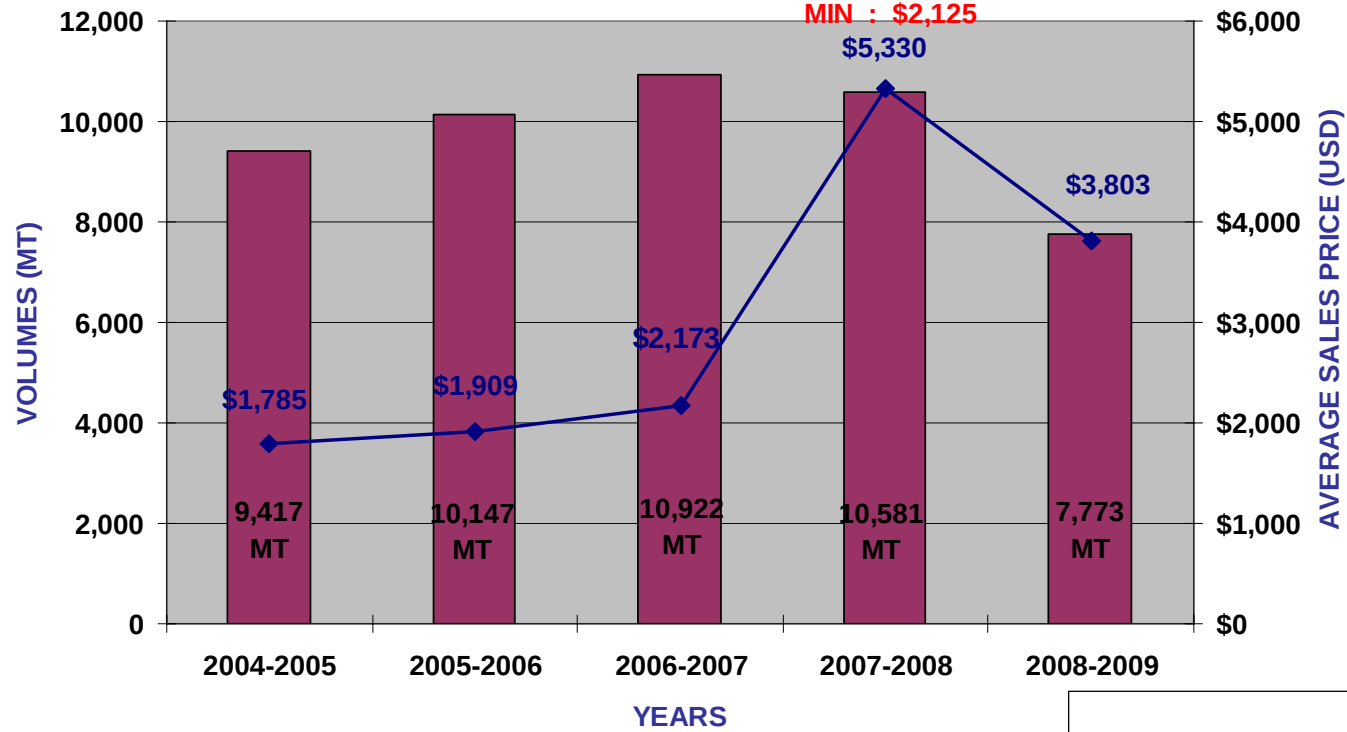
Oregano Cultivation & Harvest



TURKISH OREGANO

MAX : \$12,847

MIN : \$2,125



Economic Adulteration of Oregano

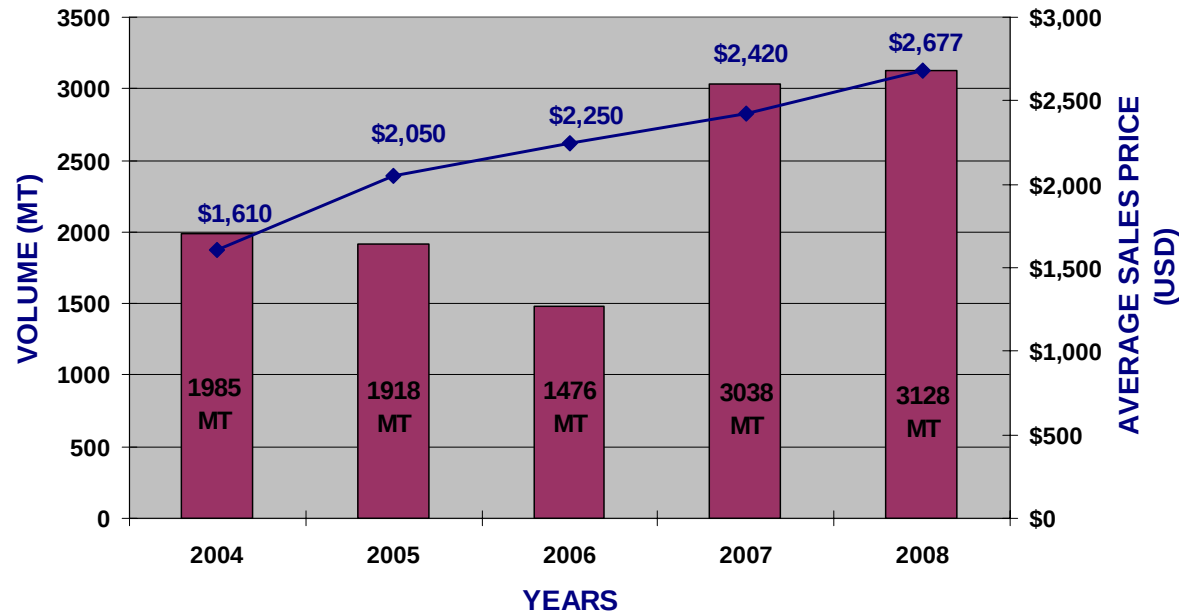
oil droplets, shape of leaves are not uniform and no sharp edges, plus tiny hairs on the leaves.



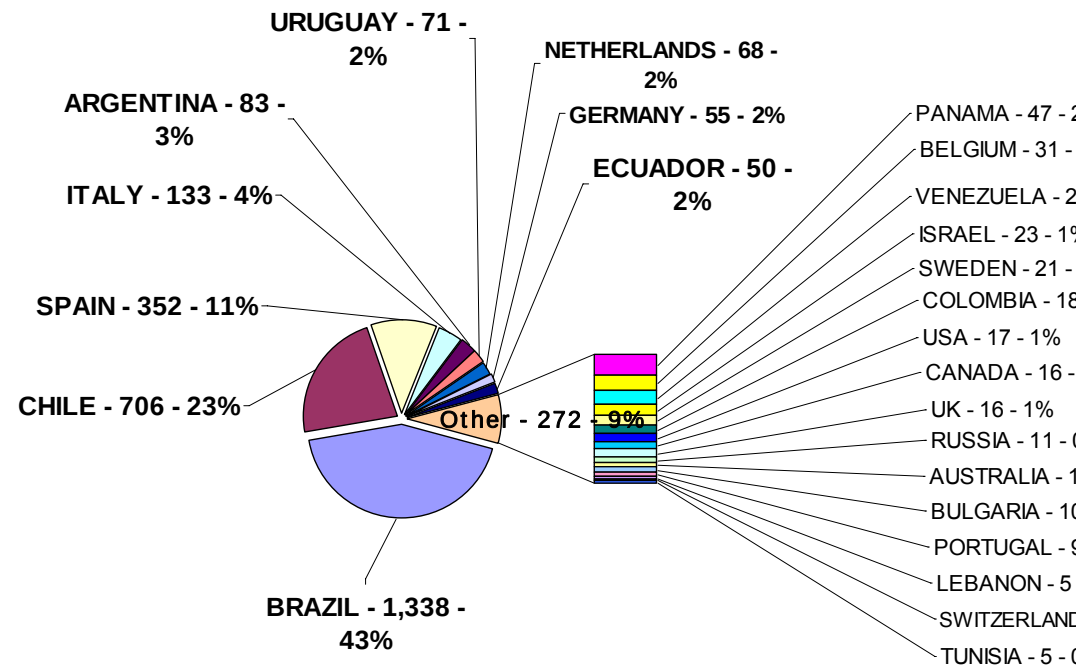
Economic Adulteration of Oregano



PERUVIAN OREGANO



PERUVIAN OREGANO by VOLUME (MT) 2008



Peruvian Oregano
Origanum vulgare
(Labiatae)

Mexican Oregano

Lippia graveolens (Verbenaceae)



Albanian Sage

Salvia officinalis (Labiatae)





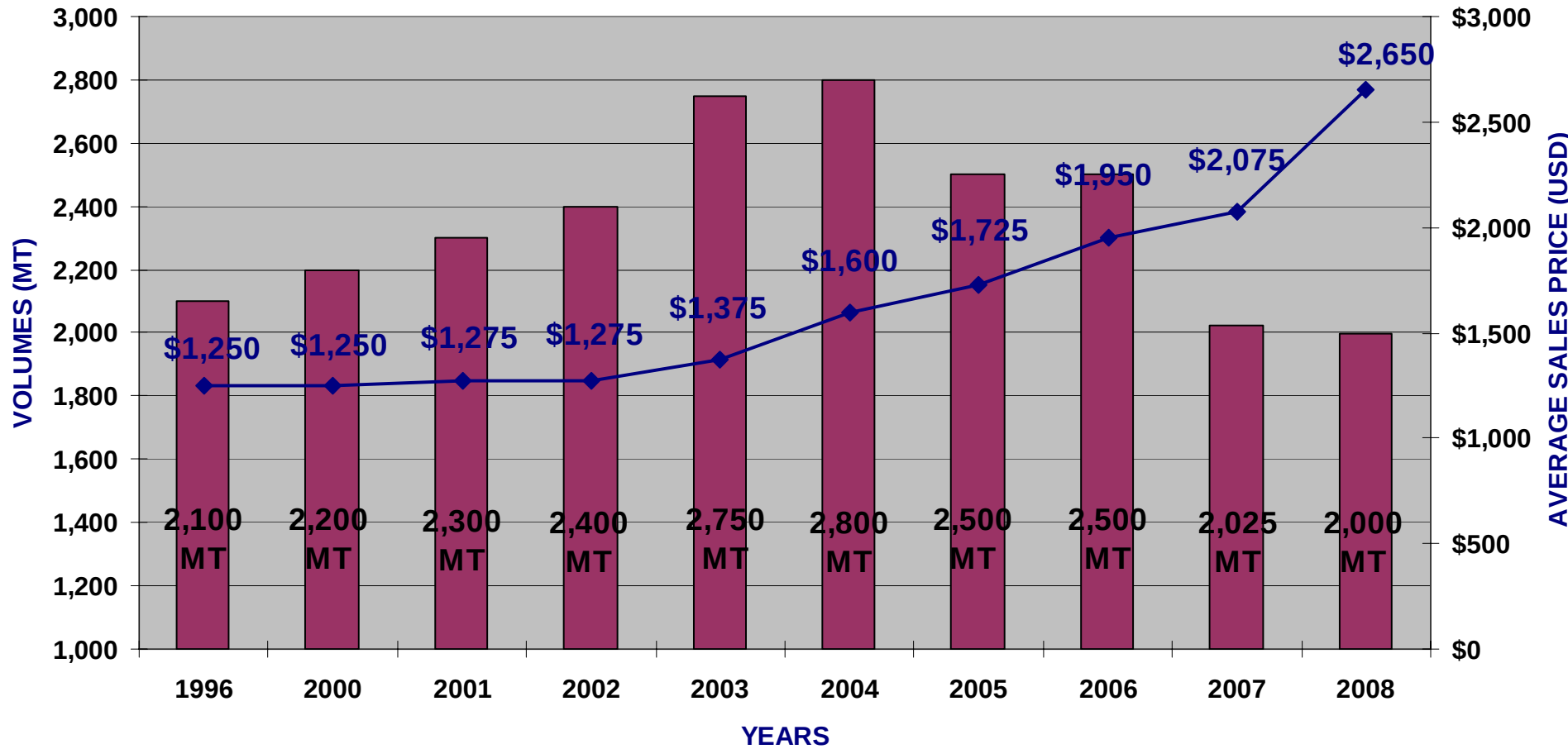
Albania



The best quality salvia and most abundant availability is found in the North of Albania around Shkodra lake which accounts for; 35% of the total raw material collected in Albania



ALBANIAN SAGE



Collecting and Drying Sage



Economic Adulteration of Sage

Economic Adulteration of Albanian Sage



A photograph of a field trial for sage in Denizli. The field is filled with young sage plants growing in rows of dark brown, tilled soil. In the background, there is a small building with a red roof and a hillside under a clear sky.

Field Trials for Sage in Denizli 16th April 2009



Laurel Leaves

Laurus nobilis
(*Lauraceae*)





Laurel Leaves

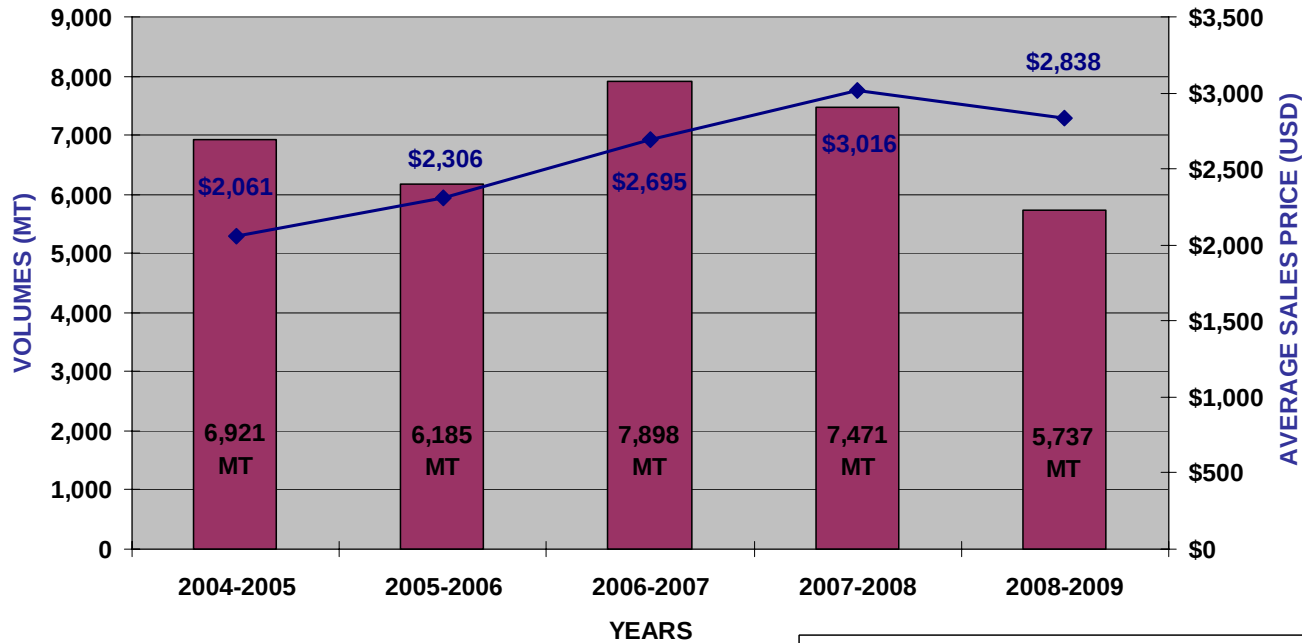


Rosemary

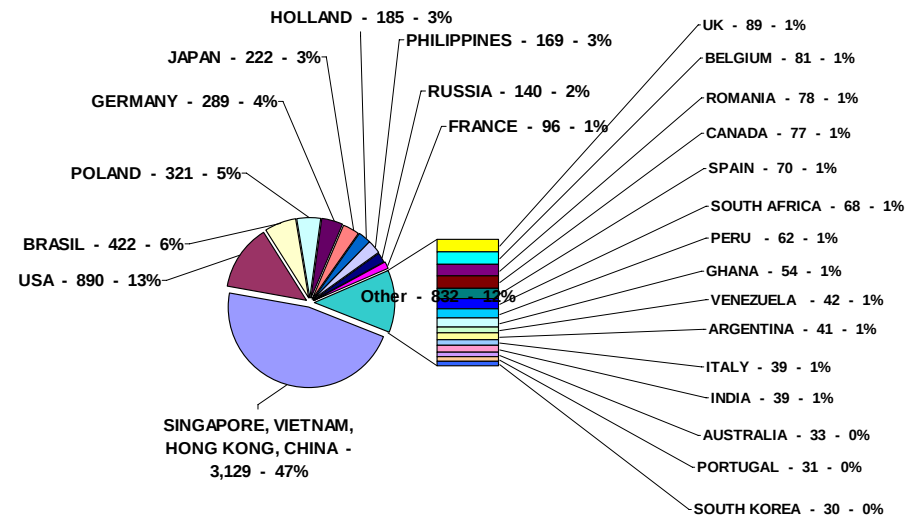
Turkey



TURKISH LAUREL



TURKISH LAUREL by VOLUME (MT) 2007-2008



Collecting & Sun Drying Laurel



- *Traditionally Wild Crop Collected and Dried*
- *by Villagers*



Machine Drying Laurel



Cultivation of laurel



Economic Adulteration of Laurel Leaves



Economic Adulteration of Laurel Leaves



Egypt

-  Basil
-  Coriander
-  Marjoram





Egypt Marjoram

Origanum majorana (Labiatae)

date 11th April 2009



Egypt Marjoram

date 11th April 2009



Egypt Marjoram

date July 2008



Egypt Basil

Ocimum Basilicum (Labiatae)

June 2008



Drying Basil

July 2008

Hang Dry

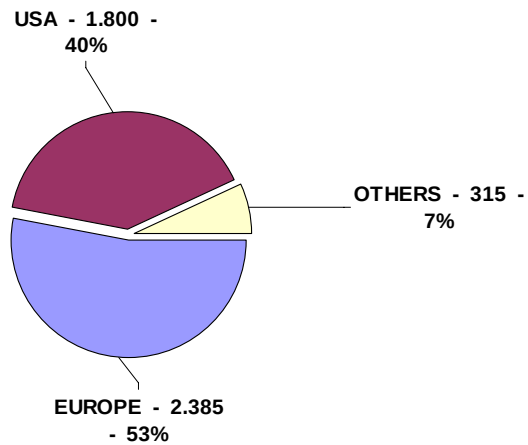


Basil TD
(tray dry)

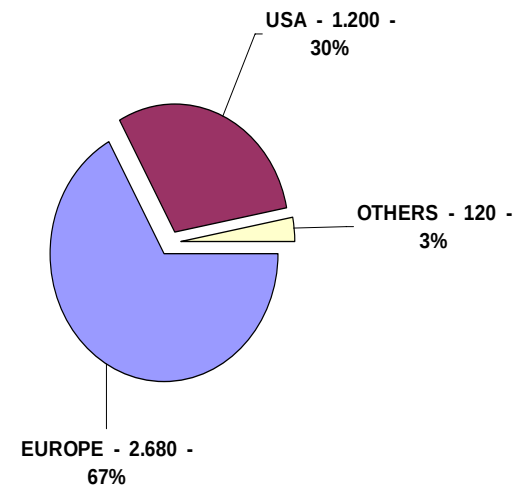


Market Distribution

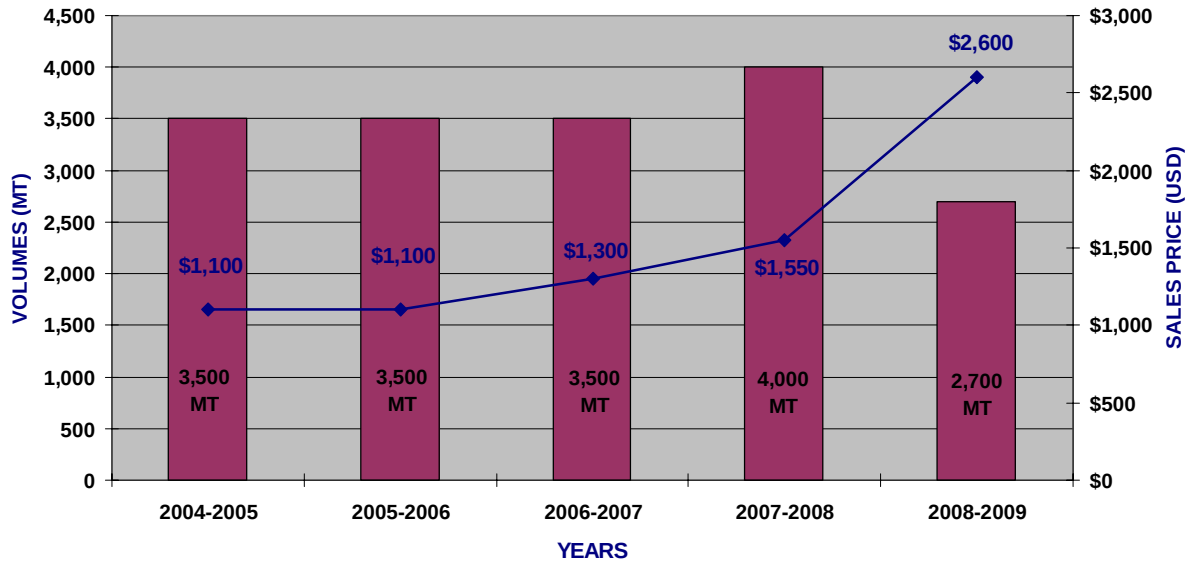
**EGYPTIAN BASIL
by VOLUME (MT)
2007-2008**



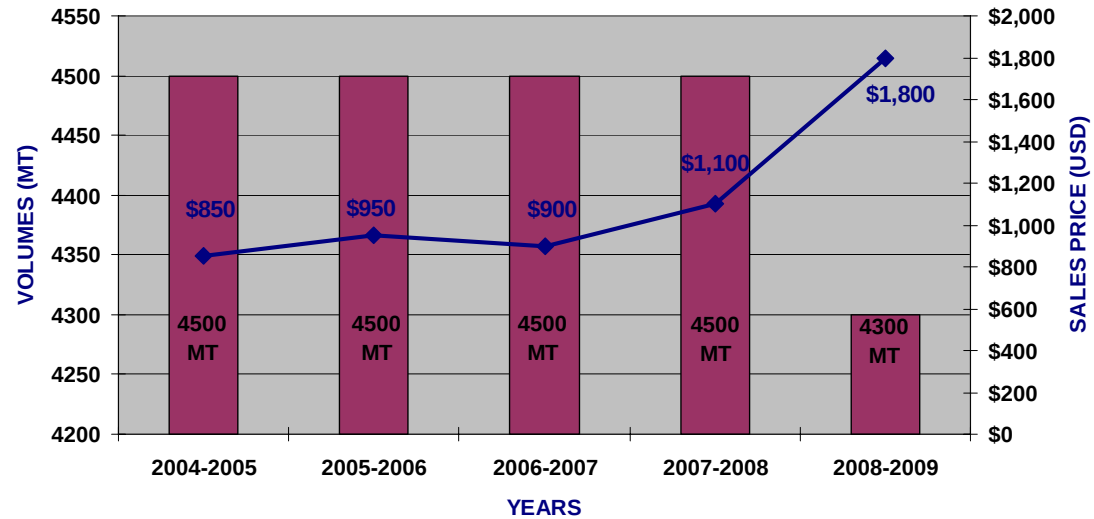
**EGYPTIAN MARJORAM
by VOLUME (MT)
2007-2008**



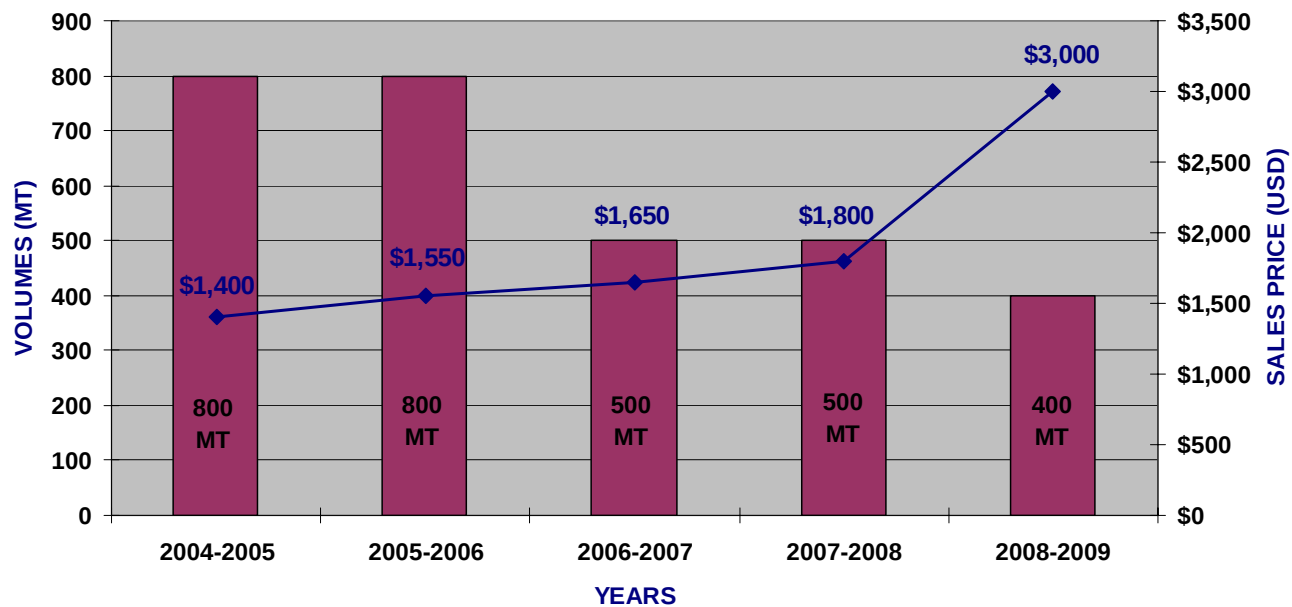
EGYPTIAN MARJORAM



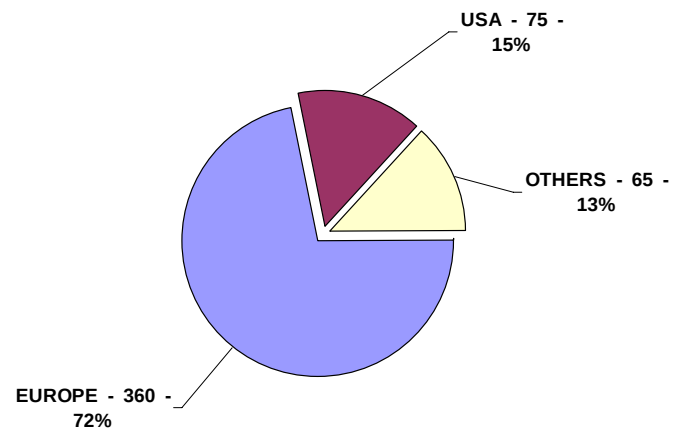
EGYPTIAN BASIL



EGYPTIAN CORIANDER

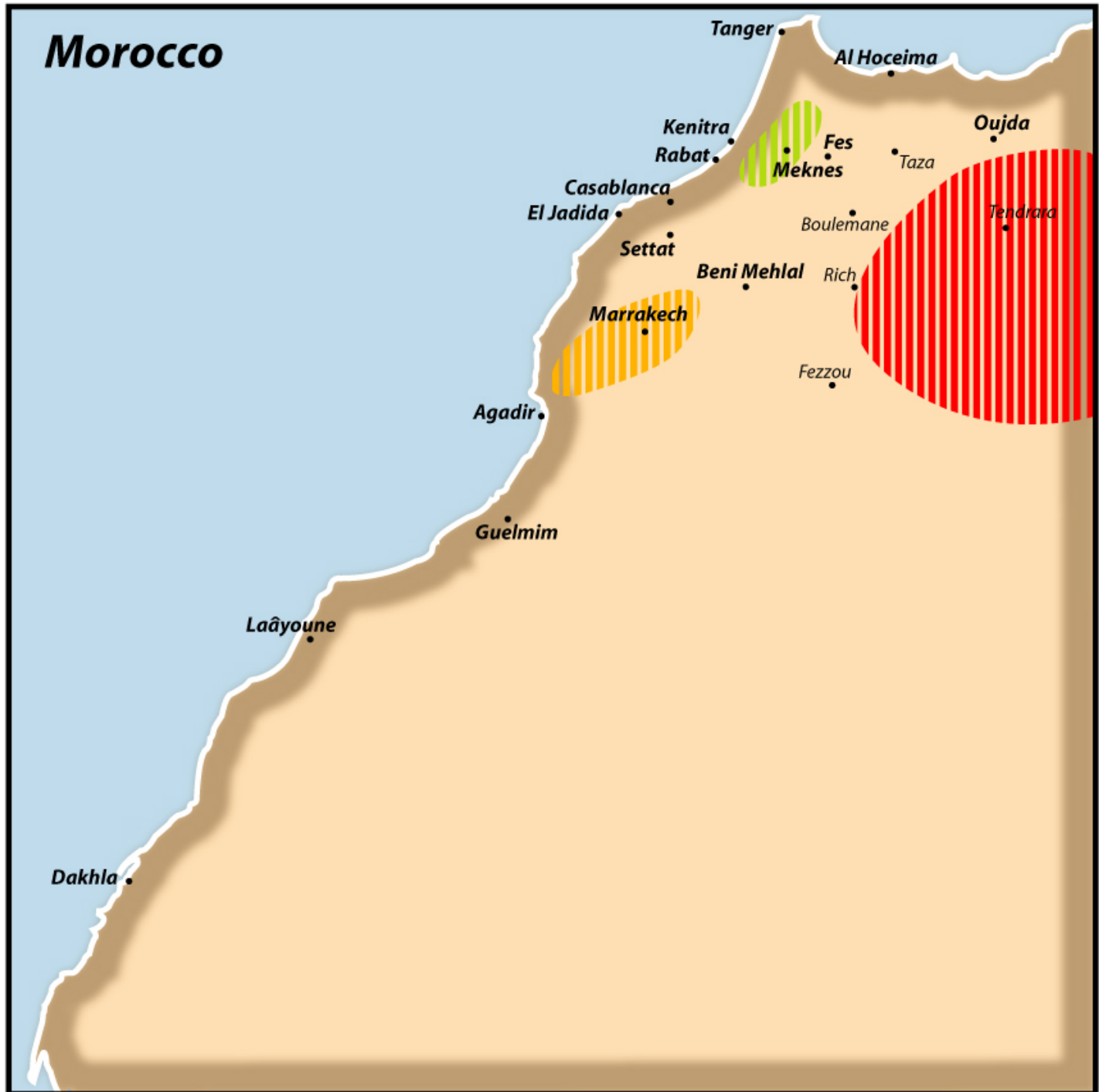


EGYPTIAN CORIANDER by VOLUME (MT) 2007-2008

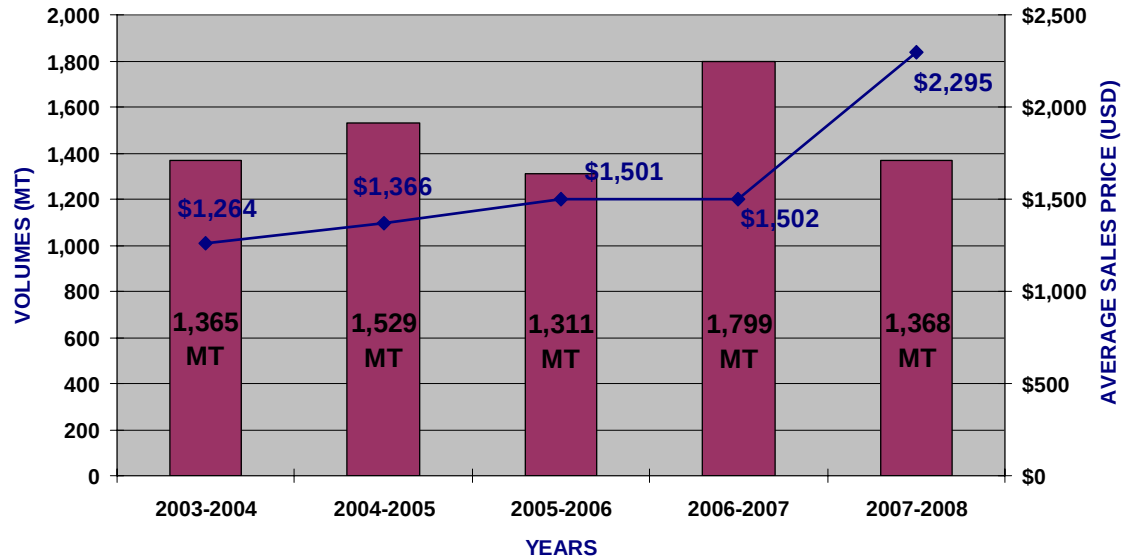


Morocco

- 
Thyme
- 
Coriander
- 
Rosemary



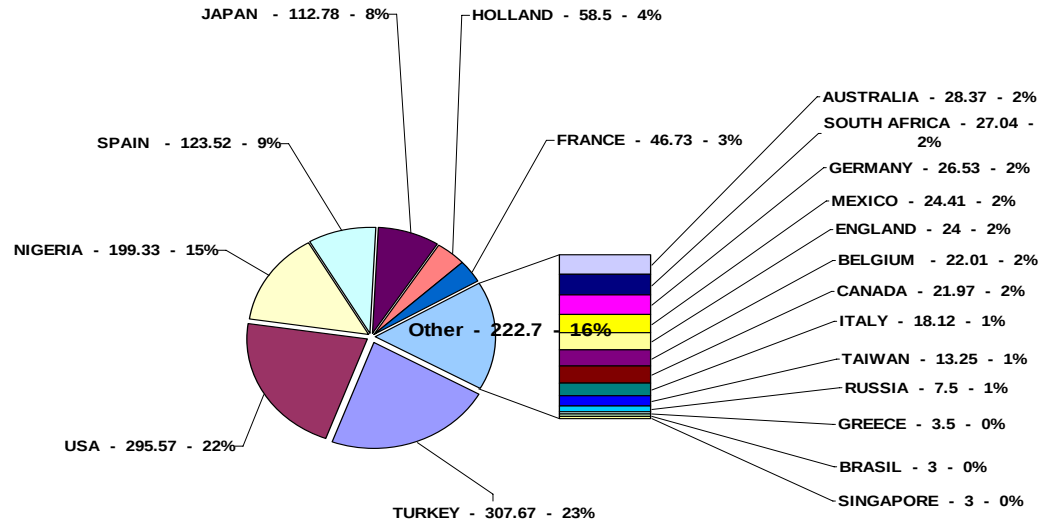
MOROCCON THYME



Moroccan Thyme

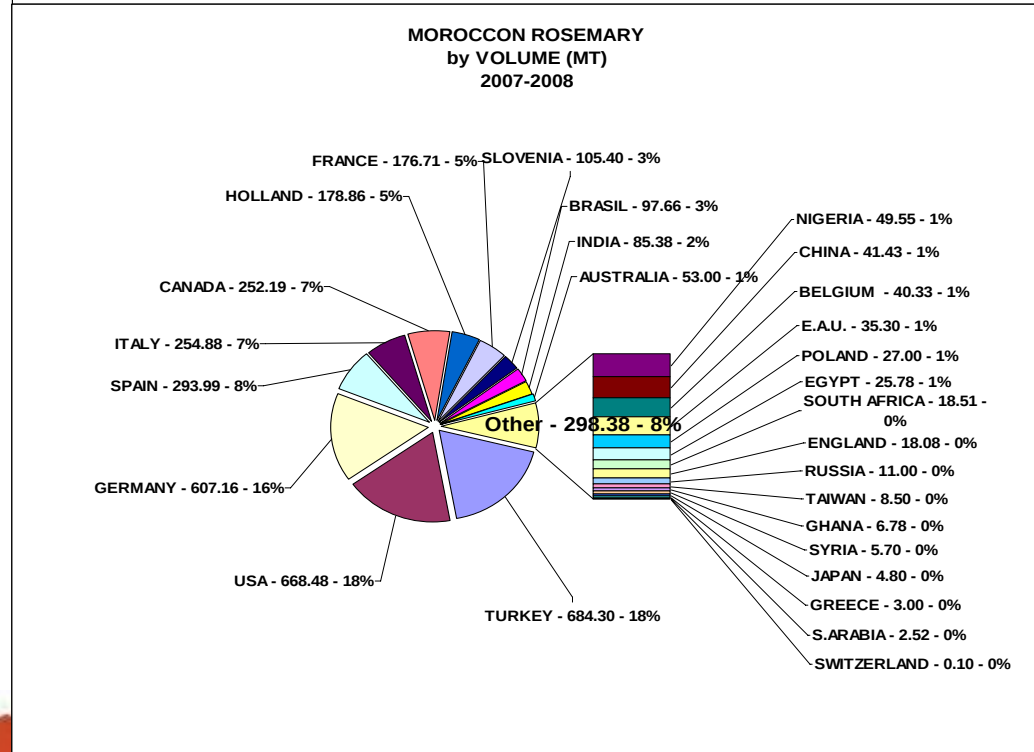
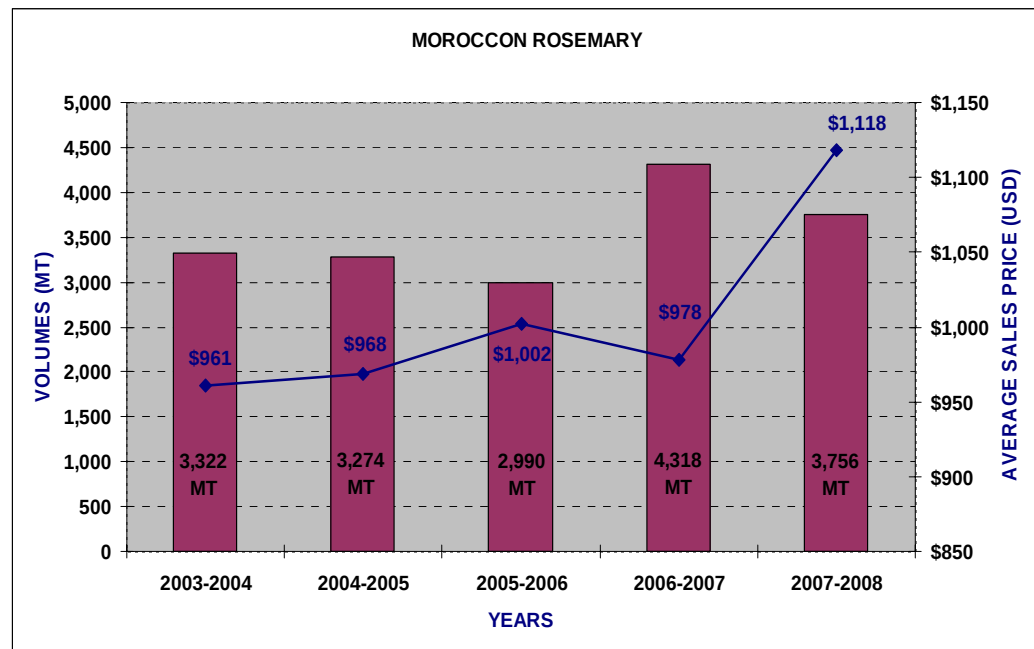
Thymus vulgaris
(*Labiatae*)

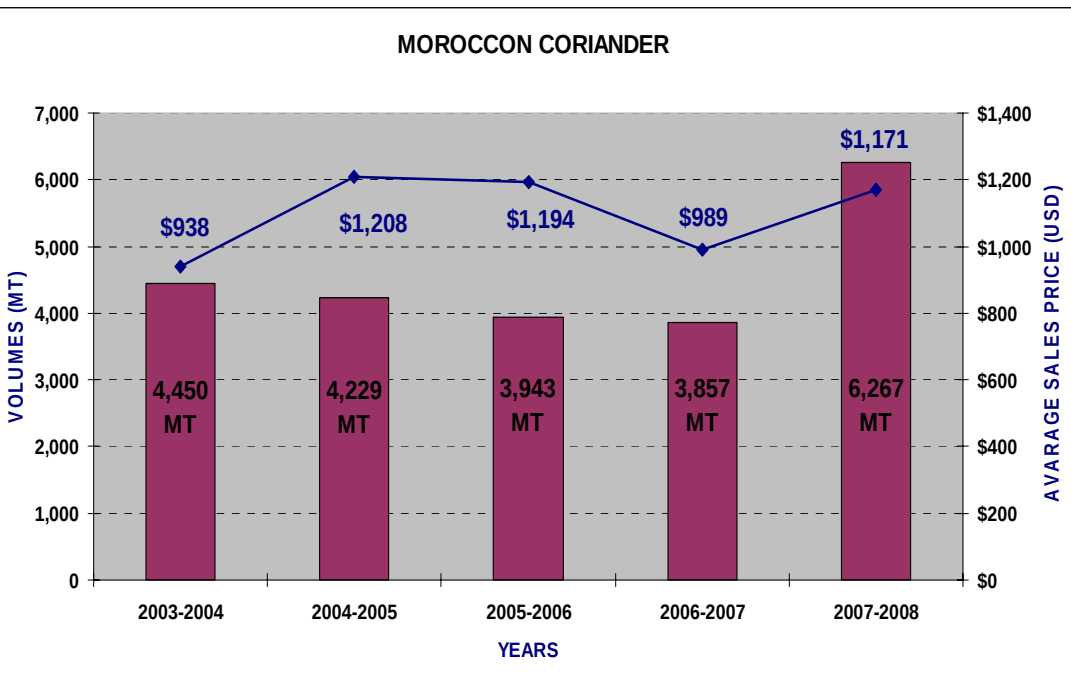
MOROCCON THYME by VOLUME (MT) 2007-2008



Moroccan Rosemary

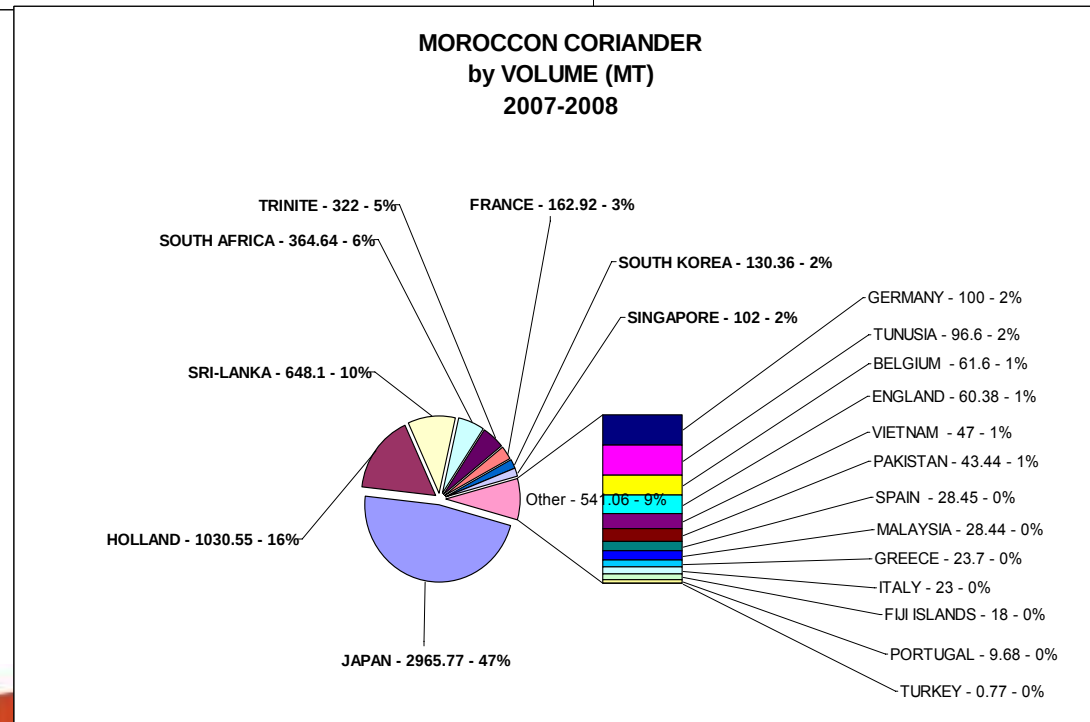
Rosmarinus officinalis
(Labiatae)



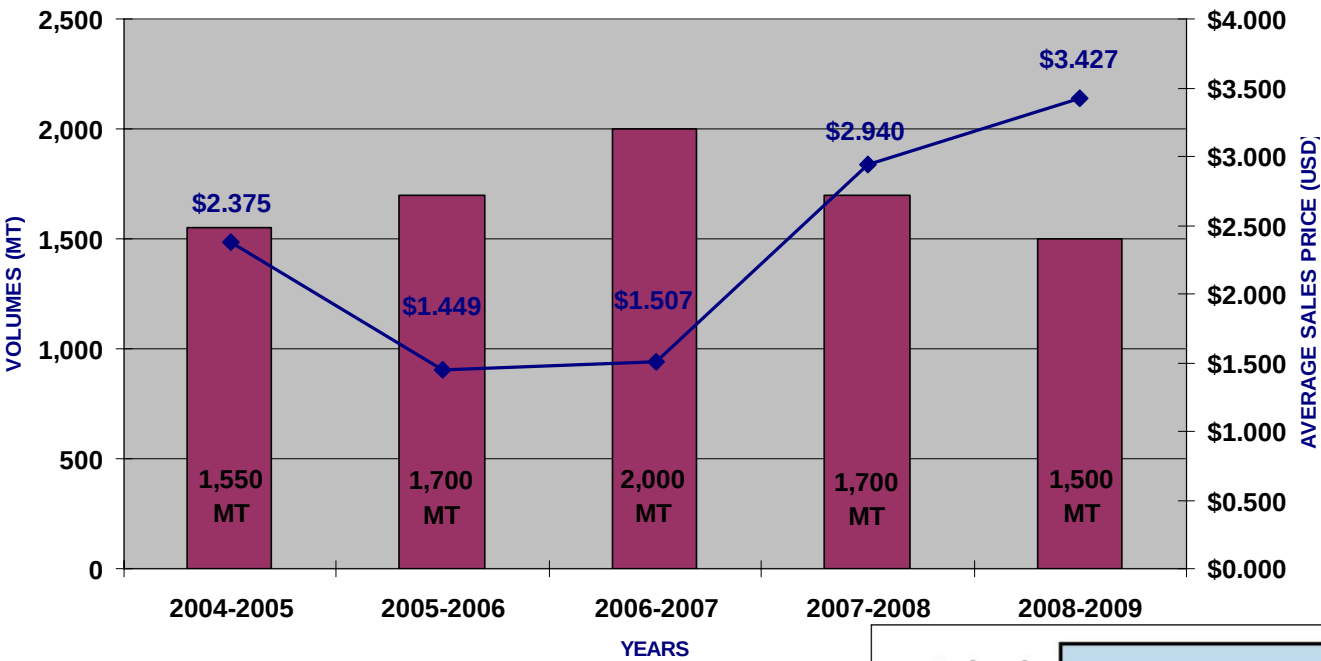


Moroccan Coriander

Coriandrum sativum
(*Apiaceae/Umbelliferae*)



POLISH THYME



Polish Thyme

Thymus vulgaris
(Labiatae)



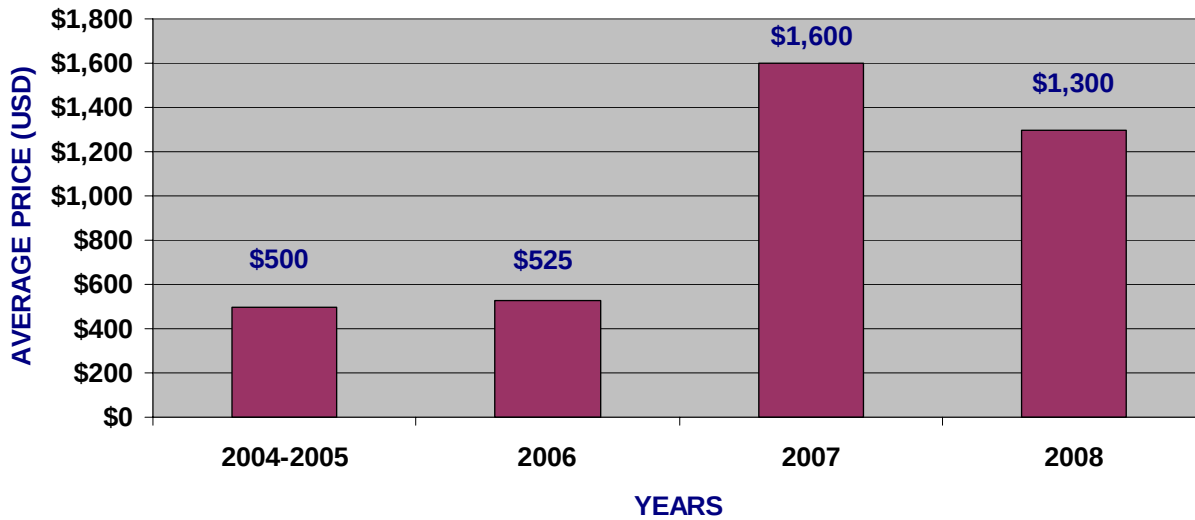
Poland



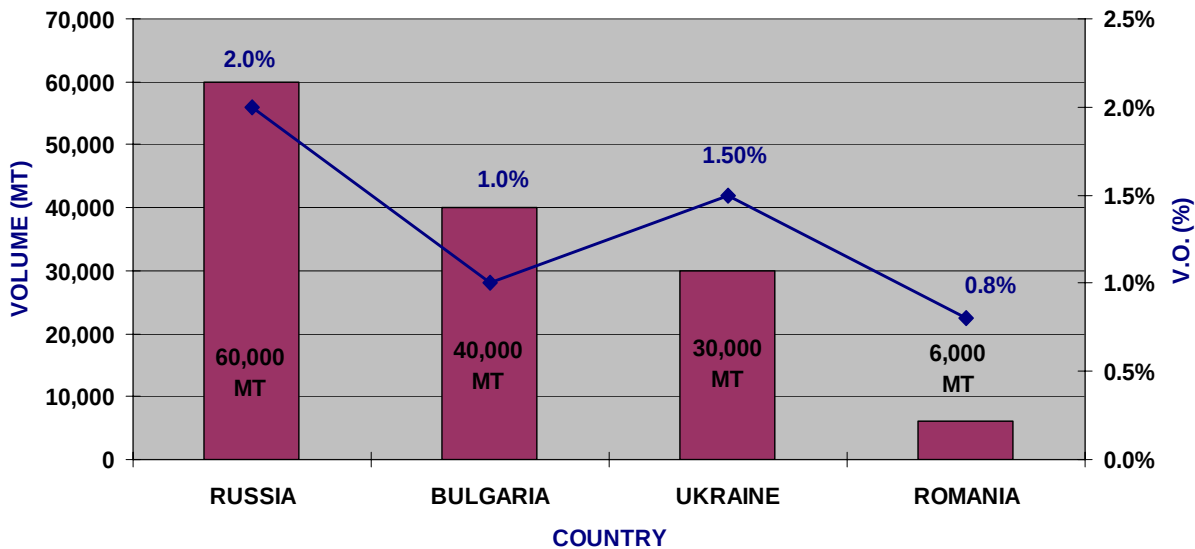
Thyme



EASTERN EUROPEAN CORIANDER by PRICE (USD)



EASTERN EUROPEAN CORIANDER by V.O. % / MT

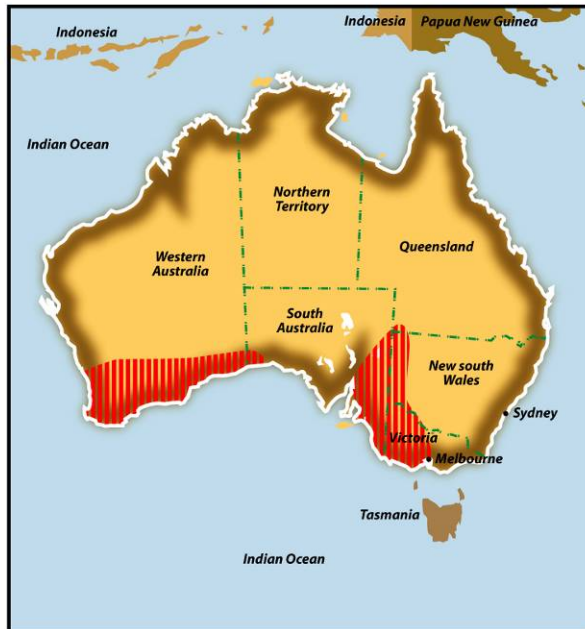


Coriandrum sativum (Apiaceae/Umbelliferae)

Bulgaria



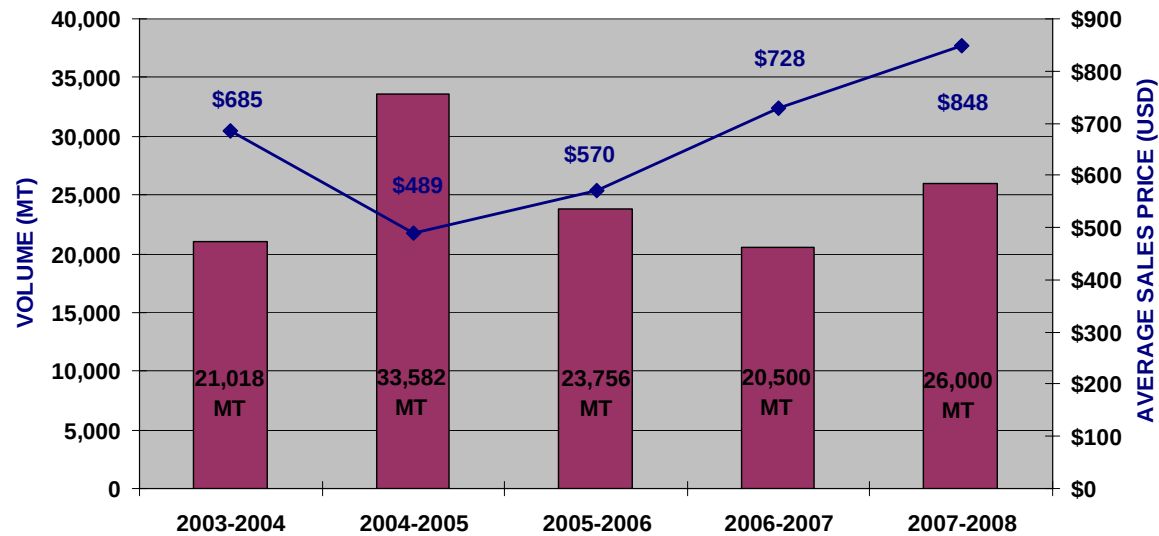
Australia



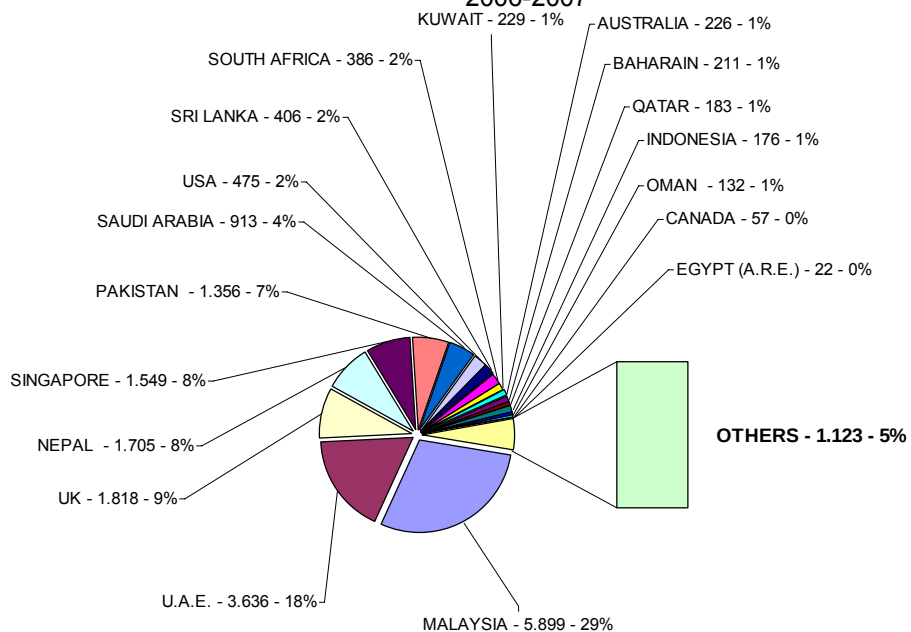
Canada



INDIAN CORIANDER EXPORTS



INDIAN CORIANDER IMPORTS VOLUME by COUNTRY 2006-2007



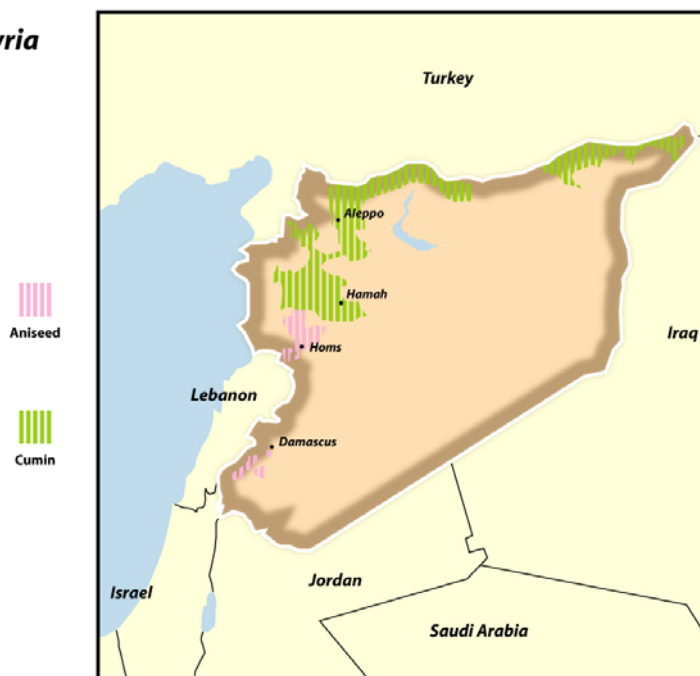
India



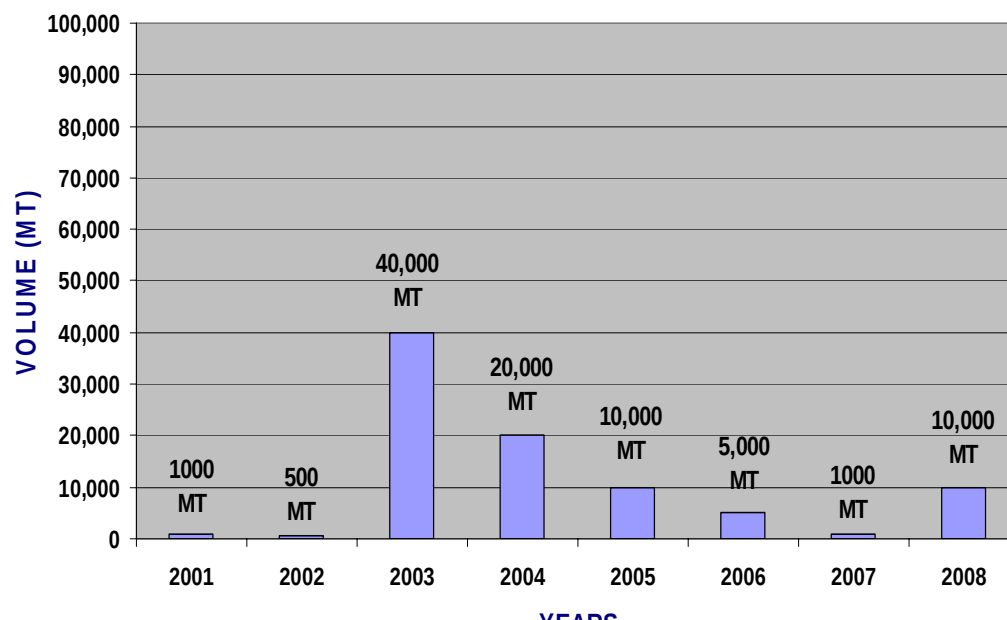
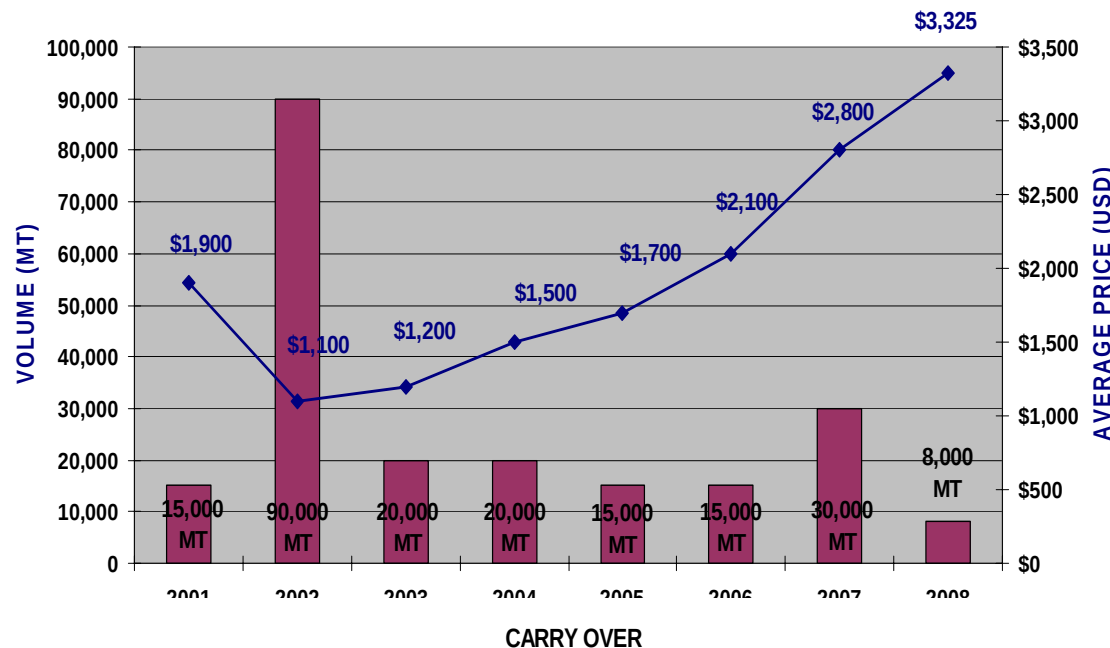
Syrian Cumin

Cuminum cyminum L
(Apiaceae/Umbelliferae)

Syria



SYRIAN CUMIN



Syrian Cumin

date 14th April 2009



Syrian Cumin

30th May 2007



Problems with Syrian Cumin in 2007



Syrian Cumin

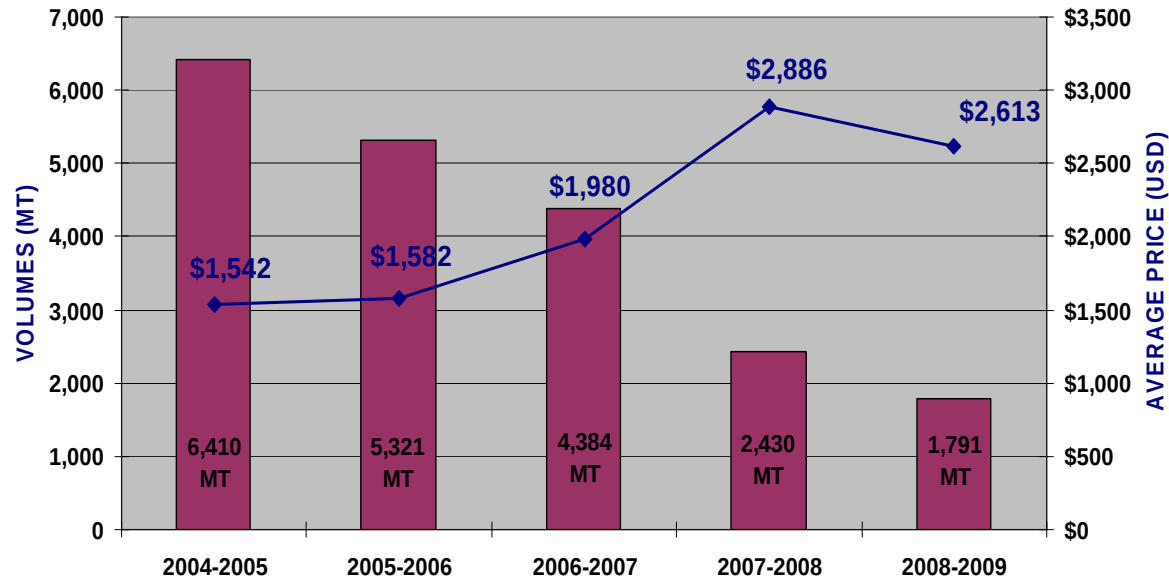
30th May 2007



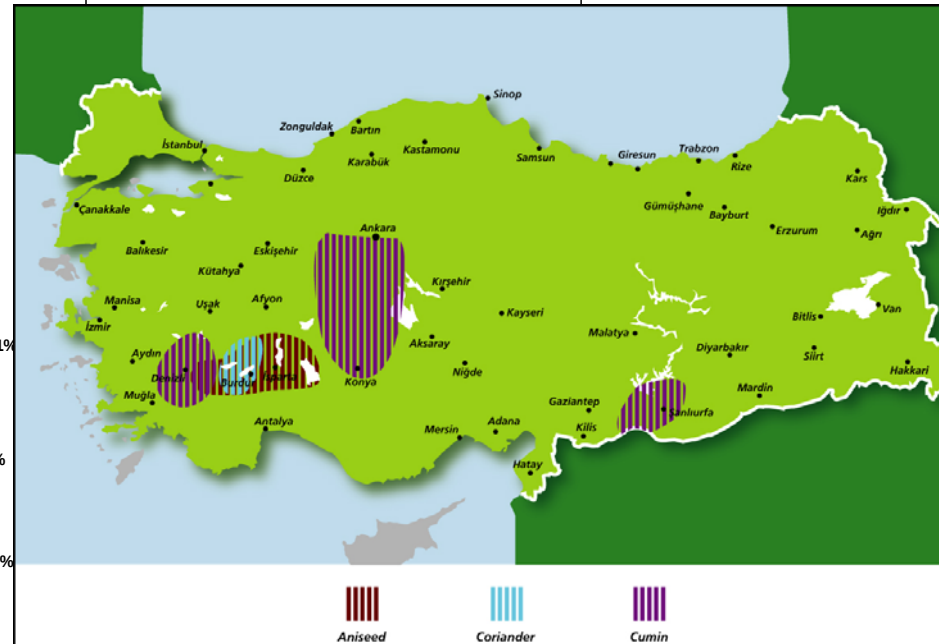
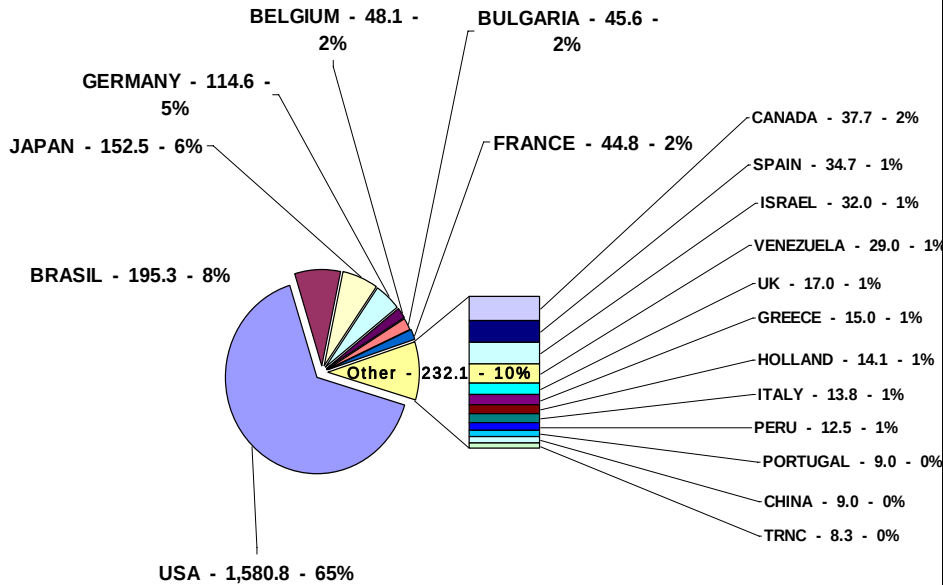
Problems with Turkish Cumin in 2007



TURKISH CUMIN



TURKISH CUMIN by VOLUME (MT) 2007-2008



Turkey

Afghanistan



Cumin



Iran



Cumin



China

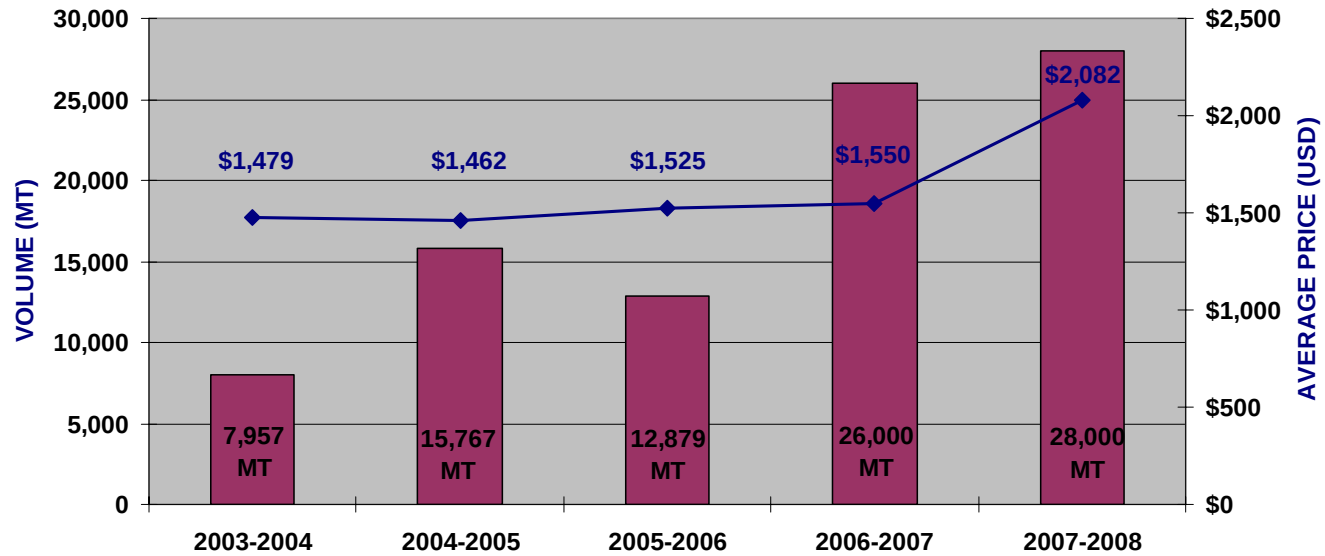


Cumin

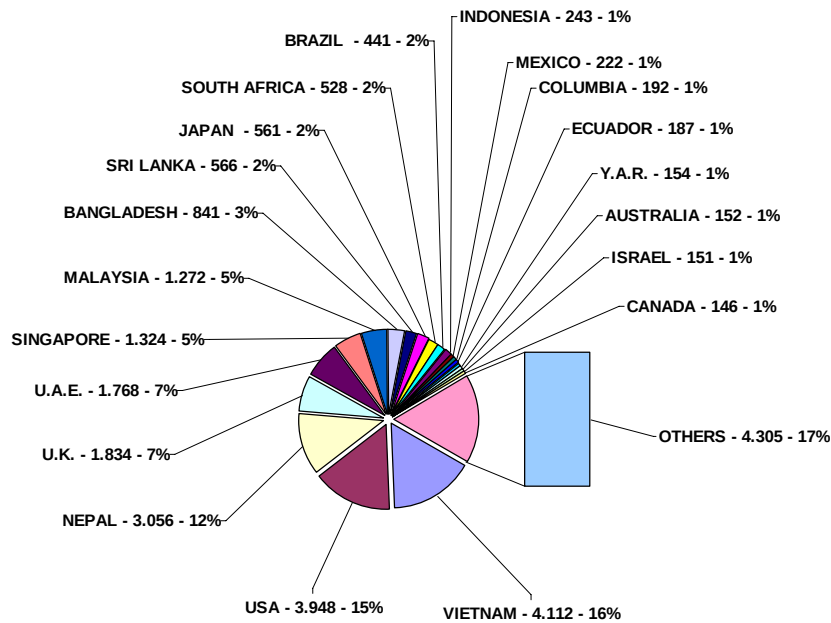


Cuminum cyminum L
(Apiaceae/Umbelliferae)

INDIAN CUMIN EXPORT



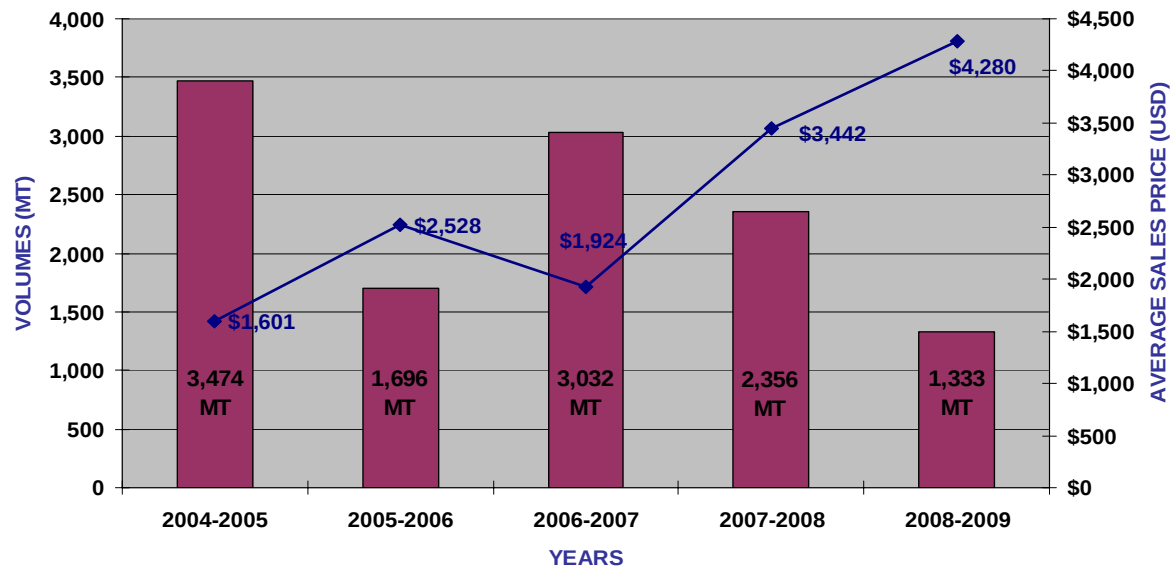
INDIAN CUMIN IMPORTS VOLUME (MT) by COUNTRY 2006-2007



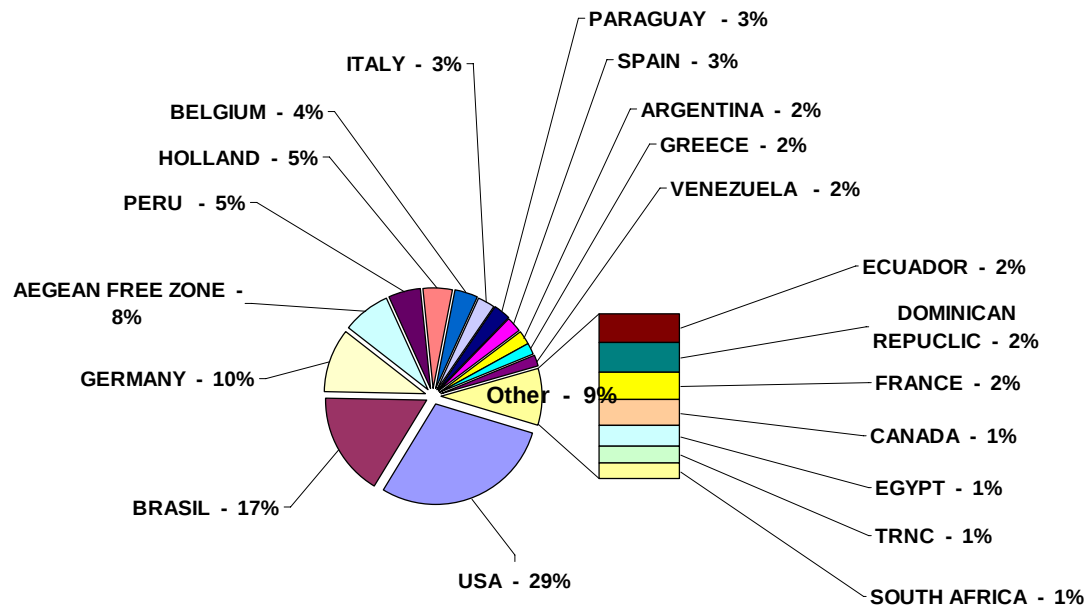
India



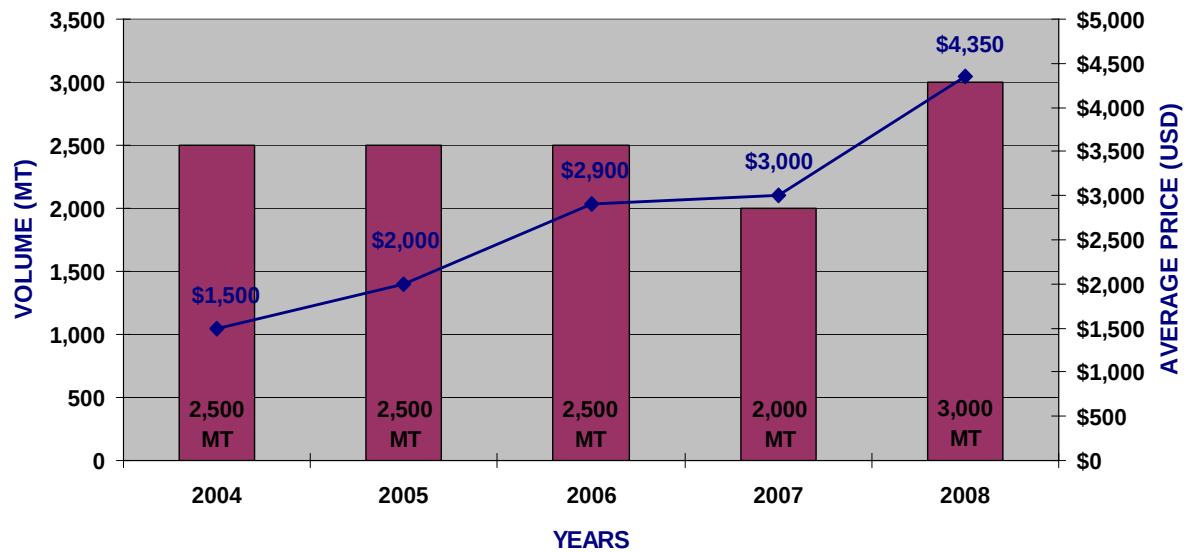
TURKISH ANISEED



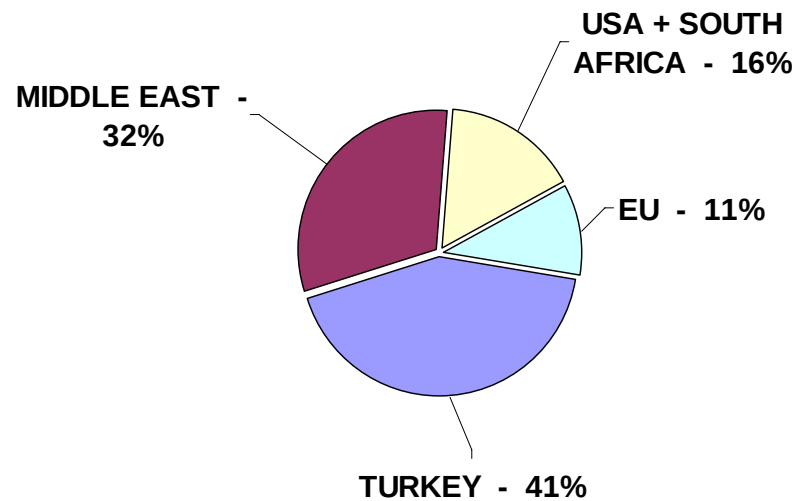
TURKISH ANISEED IMPORTED VOLUME (MT) by COUNTRY 2007-2008



SYRIAN ANISEED



SYRIAN ANISEED 2008



Syrian Aniseed

Pimpinella anisum (Apiaceae/Umbelliferae)

date 14th April 2009



Syrian Aniseed

date 14th April 2009



ASTA 2009

Annual Meeting and Trade Show

April 26-29, 2009

Loews Ventana Canyon Resort

Tucson, Arizona



Thank you!

Ayşen Öven

