



# POST-HARVEST HORTICULTURE HORT-310



## Harvest and Handling of Citrus Fruits

**Dr. Muhammad Azher Nawaz**

**Department of Horticulture, College of Agriculture,  
University of Sargodha,  
Pakistan**



**Fruit Harvesting System in Pakistan**



**Improper Harvesting**



Proper Fruit Harvesting/Clipping



**Improper Stacking/Temporary Storage**



**Cleaning Before Working (Hand Wash)**



**Unloading**







**Washing**



Drying (Warm Air 48C°)



Waxing



**Waxing**

# Sorting System





**Sorting**



Carton Preparation Machine



Packing







**Box for export**



**Tying Machine**



**Local Packing Material**



**Cold Store (4-6C<sup>0</sup>)**



**Loading in cooled Container for transport to Karachi harbour**





## Certification

Awarded to

### JMB EXPORTERS

SARGODHA, PAKISTÁN  
HUJJAN FACTORY, KOT MOMIN ROAD

REGISTRATION NUMBER: **BVC-E PK08003**

GGN: **4049928370648**

Bureau Veritas Certification certifies that, according to the audit results of both audit to the Quality Management System of the PMO and inspection of the productive processes/products, the Good Agricultural Practices of the above supplier have been found in accordance with the requirements of the quality standard detailed below

STANDARD

GLOBALGAP (EUREPGAP) Crops Version 3.0-2\_Sept07

Option 2

## GLOBALG.A.P. (EUREPGAP®)

PRODUCT SCOPE: FRUIT & VEGETABLES

CROP SCOPE AND TRADE/PRODUCT MARKS

PRODUCTS	HECTARES	CERTIFICATE NUMBER	PRODUCE HANDLING	HARVEST EXCLUDED	PRODUCERS NUMBER
MANDARINS	200.4	00011-KKPLL-0002	YES	NO	10

PMO PRODUCERS: see appendix 1

Date of certification: **25<sup>th</sup> June 2009**

Subject to the continued satisfactory operation of the organisation's Good Agricultural Practices, this certificate is valid until:  
**24<sup>th</sup> June 2010**

To check the validity of this certificate please call (91 2702200)

Further clarification regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation

Certificate Number: **ESPMDD8002130**

Decision Date: **25<sup>th</sup> June 2009**

Managing office: Bureau Veritas Certification  
Issuing office: Bureau Veritas Certification  
C/ Valencina Travesía, 22-24  
Edif. Carlos - P.3. Oriola  
38108 Alcazaba - Madrid (España)



**Fruit Harvesting System in Pakistan**





**Improper Harvesting**



**Improper Stacking/Temporary Storage**













**Navel Orange at City Mall, Dubai (UAE)**



CLEMENTINE  
W/LEAVES  
SPAIN  
29.95  
DHS/KG



7.95  
10.00

9.50

19.95

INCREDIBLE DEAL  
56.95

سماك



ALL OUT

FRESHNESS  
QUALITY  
GUARANTEED



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



**Kinnow (Pakistan) at City Mall, Dubai (UAE)**



59.95 kg



APPLE RED  
LARGE USA  
10.95  
DHS/KG

...OPS ...  
LAL BAUG  
...DIA  
...95  
DHS/KG

MANGOS  
MANGO KENT  
AUSTRALIA  
25.95  
DHS/KG





باز دانی جنم وسما  
APPLE GOLDEN  
MEDIUM  
6.45 kg

MANGOS Festival  
باز دانی جنم وسما  
FIRST APPLE RED  
5.95 kg

MANGOS Festival  
MANGO NGOWE  
LONG KENYA  
15.95  
TMS/KG

MANGOS Festival  
MANGO LAL BAUG  
INDIA  
9.95  
TMS/KG

MANGO KENT  
AUSTRALIA  
25.95  
TMS/KG

باز دانی جنم وسما  
APPLE FUJI MEDIUM  
5.95 kg

GRAPES RED  
SEEDLESS AUSTRALIA  
**24.95**  
DHS/KG

تفاح احمر 6 حبة  
APPLE RED 6PCS  
TRAY  
**9.95** per pack

تفاح احضر  
FIRST APPLE  
GREEN  
**9.95** per pack

تفاح رويال جالا  
APPLE ROYAL GALA  
6PCS TRAY  
**9.95** per pack

تفاح حار  
APPLE JAZZ  
**12.95** kg





Carrefour  
كارفور  
STRAWBERRY Kg  
39.95  
1000g  
39.95



Barcode number: 2141250039357



25 per pack

ذرة صغيرة + هليون صغير  
BABY CORN  
8.95 PP

ذرة صغيرة + هليون صغير  
CORN BABY + ASPARAGUS BABY  
14.95 per pack

بالأذن عرضة  
SNOW PEAS  
8.95 PP

فاصوليا خضراء  
BEANS GREEN EXTRA FINE  
8.95 PP

البون صغير  
BABY ASPARAGUS  
15.95 kg

شطة حمراء صغيرة  
CHILLI BIRD RED PP  
8.95 PP

شطة خضراء  
CHILLI BIRD GREEN  
8.95 PP







**RED POMEGRANATES**

**Jai Balaji EXPORTS**

**J3**

**Jai Balaji EXPORTS**

**RED POMEGRANATES**

**Raj Palani EXPORTS**

**EXPORT QUALITY**

**EXPORT QUALITY**







JIMMY'S

JIMMY'S

AL-IBRAA

KAJAN  
Mangoes

PRODUCE OF KENYA  
JAKAL SERVICES LIMITED

Al-Sabah

PRODUCE OF SOUTH AFRICA



62  
بائع الخضروات  
ABDULLAH KUNOOR

61  
بائع الخضروات  
بائع الخضروات

















# Thank You

Email ID: [azher.nawaz@uos.edu.pk](mailto:azher.nawaz@uos.edu.pk)