





The Role of The Analytical Laboratory in the Farm to Fork Chain

Jairo Arturo Guerrero Dallos

Universidad Nacional de Colombia

What Is The Role of The Analytical Laboratory From the Farm to Fork ?







What Happen With The Food Products From Farm to Fork?



POTATOES RICE FRUITS VEGETABLES

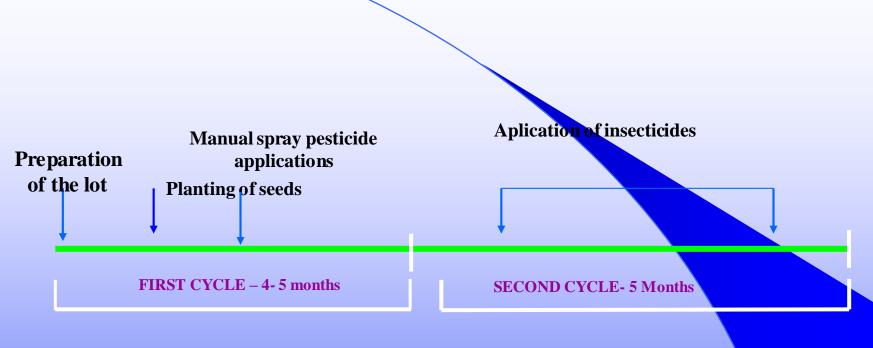
Products for Exportation







CROP MANAGEMET



VEGETATIVE PHASE

REPRODUCTIVE PHASE

IRRIGATION HARVEST STORAGE • TRANSPORTATION • DISTRIBUTION IRRADIATION PROCESSED PRODUCT





PLANT DESEASES AND PEST

Bacterial spot Root and collar rot Fusarium wilt Anthracnose Dipteran



What pesticides are used in the world?

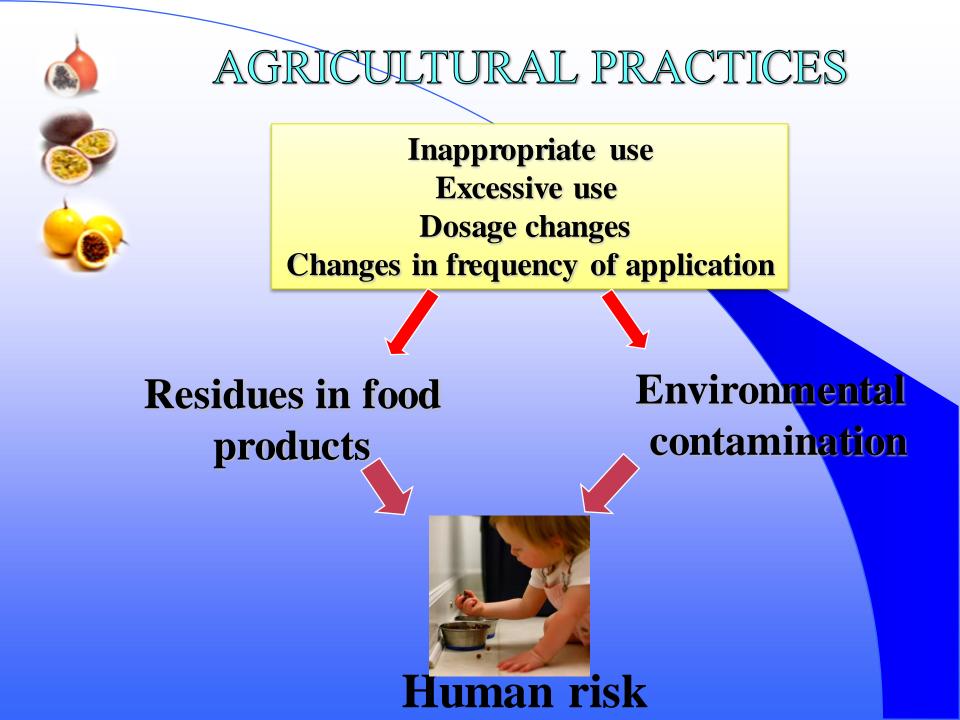
ORGANOPHOSPHATES ETHYLENBISDITHIOCARBAMATES PIRETROIDS METHYL CARBAMATES HERBICIDES











Govermental Institutions must work together with the Laboratories

Ministry of Agriculture Ministry of Environment

Ministry of Health

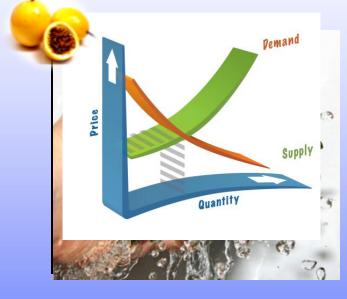


Implement GAP

Monitoring programs

MRL's

WHAT THE LABORATORIES CAN OFFER?



✓ To guarantee the quality and safety of the food products

✓ To verify requirements for national consumption

To verify requirements for international trade



HOW THE LABORATORIES CAN OFFER THESE ACTIVITIES?



NACIONAL



ACCREDITED:



Bajo la

17025 Acreditación de laboratorios de calibración y ensayo

INFRASTRUCTURE

SAMPLE PREPARATION LABORATORY



SUITABLE INSTRUMENTATION



PERSONNEL



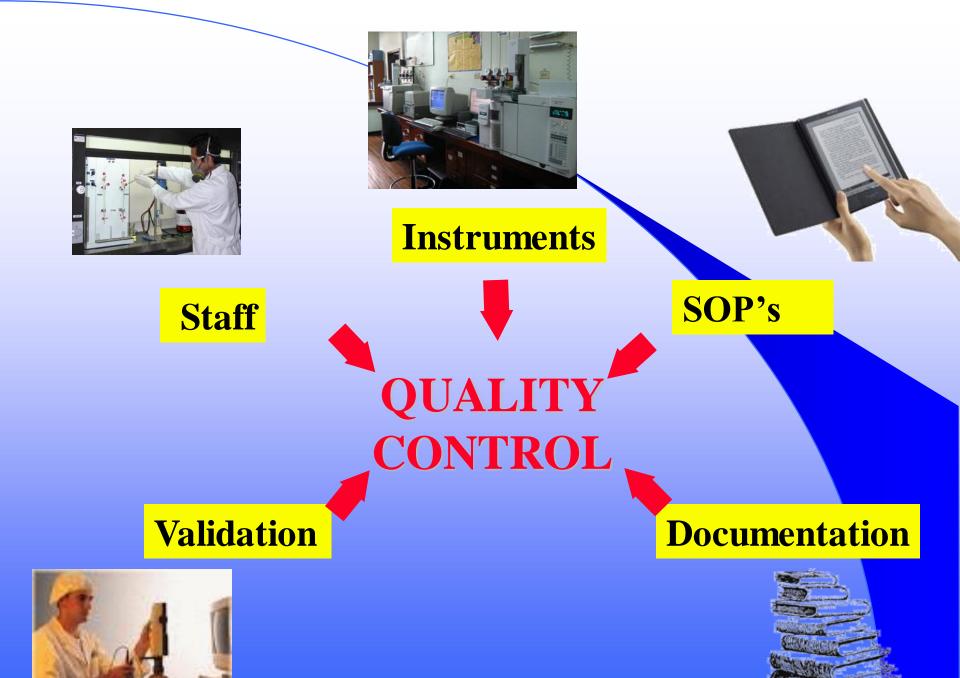
ANALYTICAL METHODOLOGIES

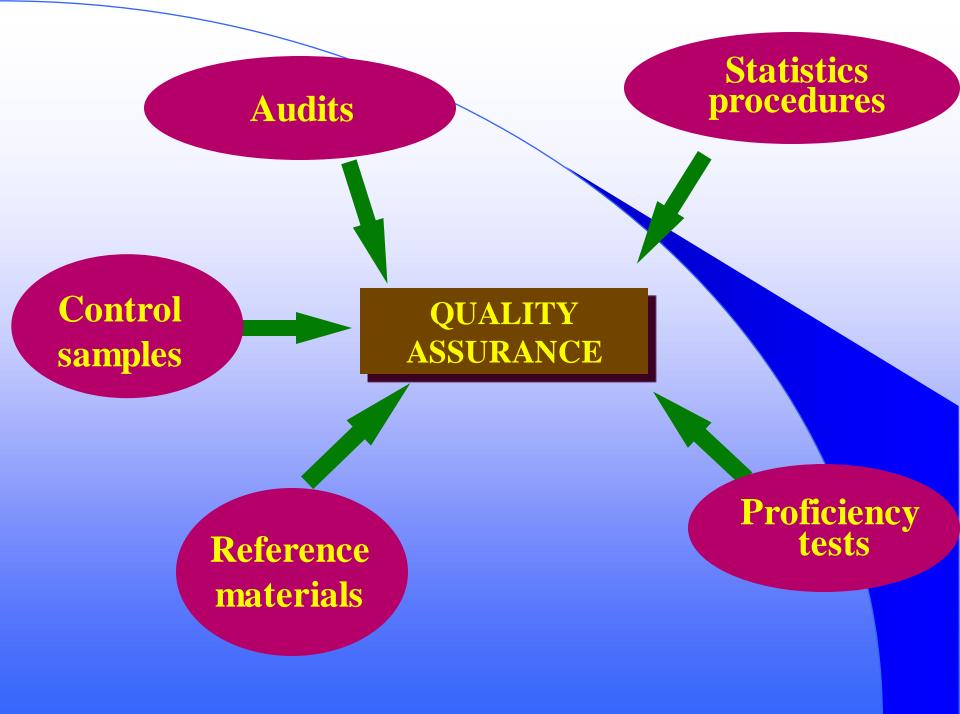


- Quechers method
- Ethyl acetate method
- Luke method
- S-19
- Specific methods



QUALITY SYSTEM









QUALITY

MANAGEMENT

ACCREDITED LABORATORIES UNDER ISO 17025

What is the role of the analitical laboratoryin the farm to fork chain?



What is the quality and safety of food products?

The food products fulfill the requirements for national and international trade?

The laboratory results is an indication of how the farmers are using the agrochemicals?

THANKS! GRACIAS!

Acknowledgements







PAGINA WEB

www.unal.edu.co/larp





ALIMENTOS Y MEDIO AMBIENTE / FOOD AND ENVIRONMENT

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