

Seedman: A seed inventory system

ICIS Workshop 2009

Objective

- Managing seed production and inventory for all seeds produced in ICARDA research stations in Syria and Lebanon as well as seeds received from other sources.
- It does not include gene bank seed inventory which is managed through the Plant Genetics Database

Main components

- Seed Production
- Seed Processing
- Store Management

Seed Production

- Field and varieties data entry
- Reports:
 - Production
 - Seedlot data
 - Field data for selected season
 - Insecticide/Fungicide application data
 - Seed production

Detailed report on production

Field Data ID	Variety	Area Plant	Area Harves	Plant date	Germ. Date	Seed rate	Seed categ.	Date flower	Date harvest	Total Yield	Yield hectare	Lot Number
2	ILC 1929	0.11	0.11	!-03-03	!-03-10	100	Certi	-04-08	2-06-30	170	1545	2002/Qu/B6/01
20	FLIP 93-58C	0.09	0.09	!-12-24	!-01-30	100	Certi	-04-08	2-06-29	60	667	2002/Qu/B6/01
152	Ghab-3	0.86	0.86	!-12-17	!-01-20	100	Quali			0	0	/Qu/B2S/02
153	FLIP 97-99C	0.05	0.05	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
154	FLIP 97-657C	0.05	0.05	!-12-17	!-01-19	100	Quali			0	0	/Qu/B2S/02
155	FLIP 97-706C	0.05	0.05	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
156	FLIP 97-588C	0.05	0.05	!-12-17	!-01-19	100	Quali			0	0	/Qu/B2S/02
157	FLIP 93-53C	0.05	0.05	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
158	FLIP 93-58C	0.05	0.05	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
159	FLIP 86-5C	0.05	0.05	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
160	FLIP 87-8C	0.07	0.07	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
161	FLIP 85-1C	0.07	0.07	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
162	Ghab-2	0.15	0.15	!-12-17	!-01-22	100	Pre-t			0	0	/Ba/B2S/02
163	Ghab -1	0.15	0.15	!-12-17	!-01-22	100	Pre-t			0	0	/Ba/B2S/02
164	FLIP 93-93	0.94	0.94	!-12-22	!-01-26	100	Quali			0	0	/Qu/B2S/02
169	FLIP 97-137	0.05	0.05	!-12-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
170	FLIP 97-677	0.05	0.05	!-01-17	!-01-22	100	Quali			0	0	/Qu/B2S/02
174	ILC 1929	0	0	!-02-26	!-03-01	100	Quali			0	0	/Qu/B2S/02
175	ILC 263	0.12	0.12	!-02-19	!-03-01	100	Quali			0	0	/Qu/B2S/02
188	FLIP 93-93	0	0			100	Bree		2-06-11	40	0	/Pr/B6/01
211	Ghab -1	1	1	!-12-24	!-01-30	100	Basic	-04-08	2-06-20	1175	1175	2002/Ce/B6/01
212	Ghab-3	1.5	1.5	!-12-24	!-01-30	100	Basic	-04-08	2-06-20	2700	1800	2002/Ce/B6/01
213	FLIP 93-93	0	0	!-12-24	!-12-30	100	Ouali	-04-08	2-06-10	1150	0	2002/Ou/B6/01

Seed Processing

- Entering seedlots from other sources
- Managing pre and post processing data
- Report on machines adjustments
- Processing report
- Seed-based lot report
- Inventory reports

Storage Management

- Distribution management
- Large number of reports covering:
 - Distribution
 - Balances
 - Seed labels
 - Lot histories
 - Lots entered
 - Costs

Report on seed lot

Biography for Seed Lot Produced By Seed Unit

Field	Season	Crop	Variety	Lot_no		
TR20	2006/2007	durum	Rimg-1	2007Qu8606		
Field Information						
Previous_crop1	Previous_crop2	Sowed_preparation_date	Pre-emergence_Applied			
Legume	Triticale	2006-11-06	1.0			
Pre-emergence_dose_Applied	Pre-emergence_B_Applied	Pre-emergence_B_dose_Applied				
	Wooden Corns	1.0				
Pre-emergence_N_Applied	Nitrogen_Applied	Total_nitrogen	Phosphorus_Applied			
	American sulfate	300.0	7000			
Phosphate_dose_Applied	Fungicides_Applied	Fungicide_dose_Applied				
20						
Field/Variety Information						
Date_plant	Date_germination	Date_Sowing	Area_harvest	Date_harvested	Yield/ha	Total_grain_yield
2006-11-15	2006-12-09	2007-04-01	0.02	2007-04-01	220	67
Pre-Processing Information						
Lot_no	Germination	Moisture	Purity	Contaminants Type		
2007Qu8606	9.9	17.91025				
Post-Processing Information						
Date_Cleaned	Qty_Clean	Treated	Fumigated	Germination		
01	<input type="checkbox"/>	<input checked="" type="checkbox"/>		0		
Ferticide						
Fungicide	Formulation	Dose Applied	Total Time	Remarks		
	Liquid	2	0.010			
Store Information						
Location in the store						
Machinery Administration						
Distribution Information						