

FAO National Training Course on Locust Survey and Control
Mirpurkhas, Pakistan
10-16 July, 2000

Day/Date	Time	Module	Activities
Mon 10/7	0900-1000	Opening of course. Registration. Admin announcements	Registration, distribution of materials
	1030-1200	Introduction to course. Pre-course assessment	Multiple choice paper
	1200-1300	Participants experience of locust operations and the constraints to safe and effective locust management	Discussions
SURVEY	(Cressman)		
	1400-1530	Why make surveys and how to plan and make them, who, where, when	Classroom presentation + discussions
	1600-1730	Desert Locust assessment (survey) and search	Classroom presentation + discussions
Tue 11/7	0830-1030	Different survey methods: foot, vehicle, aerial; measuring foot pace	Classroom presentation + exercise + field demo
	1100-1300	How to record survey results and relation to forecasting	Classroom presentation + exercise

	1400-1430	What equipment to take on survey	Classroom presentation + discussions
	1430-1530	How to use a map, compass and GPS	
	1600-1730	Continuation	Classroom presentations + exercises + field demo
Wed 12/7	0730-1300	Survey techniques in practice	Field practical
	1400-1530	Presentation of information collected during the survey	Group presentations + discussion
	1600-1730	What to do with information from the surveys - transmission and data management	Discussions
CONTROL (Dobson)			
Thr 13/7	0830-1030	The control process - a logical procedure. Is control necessary? Decisions on when and how.	Discussions
	1100-1300	Different targets and control technology options - pros, cons	Swarm video and discussions
	1400-1530	Different conventional pesticides and formulations. Toxicities, pictograms etc. Alternatives to conventional pesticides	Discussions and toxicity calculations
	1600-1730	Use of additional field equipment	Demonstration and exercise
Fri 14/7	0830-1030	Swath width exercise (vehicle and hand-held) sampling spray.	Field practical

	1100-1300	Counting drops, graphing deposition profiles, track spacing to use and work rate	Indoor exercises and discussions
	1400-1530	Droplet size and behaviour. VMD/NMD. Types of atomiser and the spectrum they produce	Discussions and indoor practical
	1600-1730	Continuation, and good and bad spraying conditions	Discussions
Sat 15/7	0830-1030	Sprayer calibration - what is it. Calibration calculations	Indoor exercises
	1100-1300	How to calibrate a sprayer and make settings (possibly including aircraft)	Field practical
	1400-1530	Principles and techniques of ULV spraying, demarcating and track guidance GPS technology for aerial and ground spraying	Discussions
	1600-1730	Monitoring operations and efficacy	Indoor exercise + discussion
Sun 16/7	0730-1300	Mock spraying exercise (aerial and ground) - demarcating, spraying, monitoring	Field practical
	1400-1500	Analysis of the mock spraying exercise and data collected	Discussions
	1600-1730	Course evaluation and post course assessment. Certificates and close.	Multiple choice papers and close