

Community Based Locust Mgt



COMMUNITY BASED LOCUST MANAGEMENT

- Major Locust Products:
 - Community Collect Locust for Cash,
 - Poultry Feed Milers buy locust from Community
 - Locust emerge as a useful Resource
 - Locust used as Meal in Poultry, Livestock
 - Protect life on earth from Chemicals

COMMUNITY BASED LOCUST MANAGEMENT

- Pakistan gave the Slogan of “Catch Locust, Earn Money and Save your crops”
- After consulting the poultry, livestock, fish, cat and dogs meals industry for buy back guarantee, a price of Rs. 20 was announced during community mobilization
- This has created a circular economy as the community earn handsome amount of cash
- Collected locust go to the meal industry as a rich source of protein.
- During the past three days campaign over ten ton locust is collected, which is increasing

LOCUST NUTRITION ANALYSIS AS ANIMAL FEED

- Locusts were brought from Punjab Province
- Dried at 70° C
- Crushed to form locust meal for poultry and other animals.

DRIED LOCUST CRUSHED TO POWDER MEAL



NUTRIENT ANALYSIS

Item	Protein %	Fat %	Fiber %	Minerals %
Locust	68	14	13	7

NUTRIENT ANALYSIS

Item	Protein %	Fat %	Fiber %	Minerals %
Locust meal	67	14	13	7
Soybean meal	48	1	3	6
Fish Meal	65	7	1	20

COMPARITIVE NUTRIENT ANALYSIS

Item	Protein %	Fat %	Fiber %	Minerals %
Locust	68	14	13	7
Soybean meal	48	1	3	6
Fish Meal	65	7	1	20
Poultry Feed	20	2	5	8
Livestock feed	16	3	15	10
Pet feed	20-30	4-15	5-12	5-12

AMINO ACID COMPOSITION

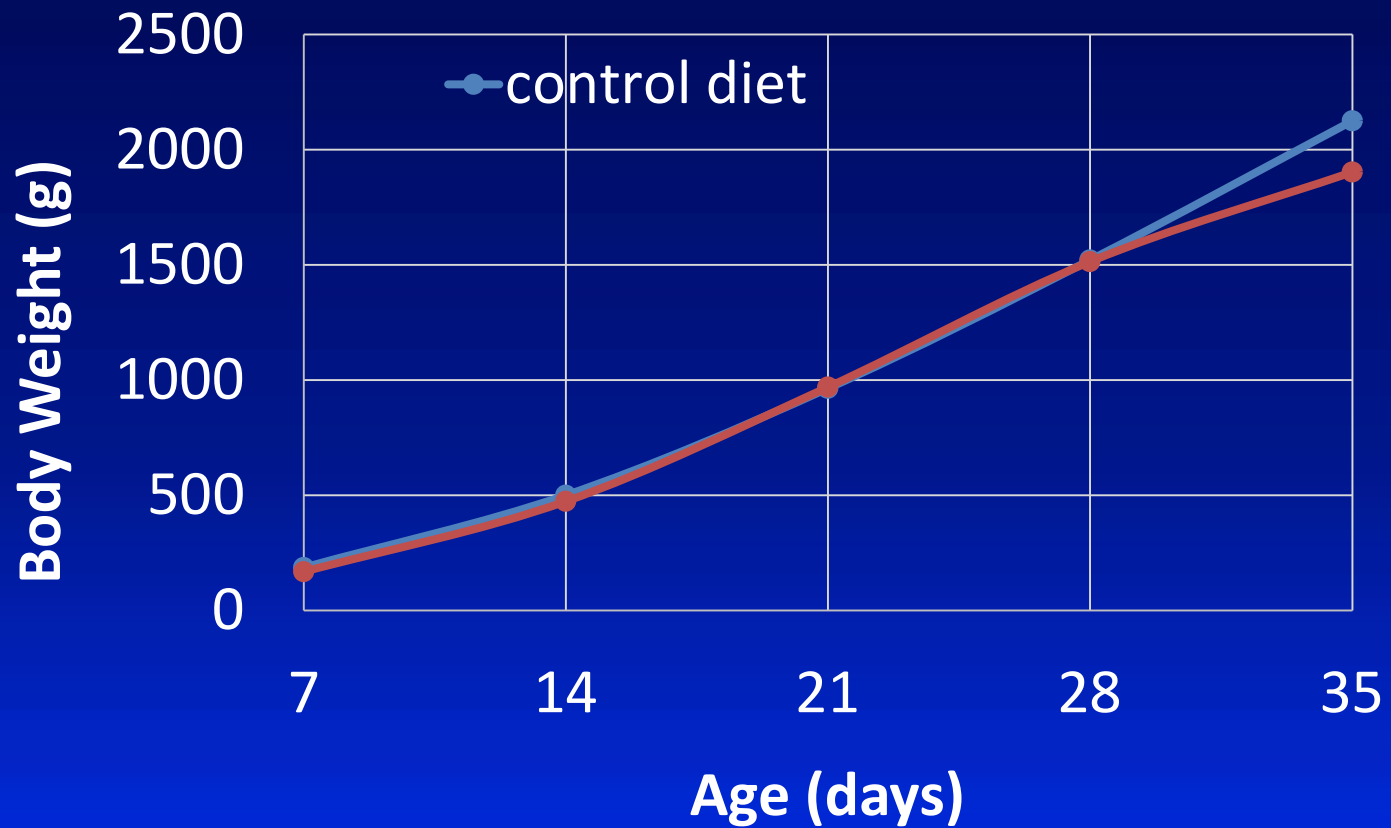
- All amino acids in acceptable quantities.
 - Lysine = 3.2%
 - Methionine = 2.5%
 - Each essential amino acid = 1.6 to 5.7%
 - True protein content = 60%
- Locust meal has got good potential for use in animal feed

BRIOLER FEEDING TRIAL AT HATCH FEEDING LAHORE, PAKISTAN

- Preliminary trial to assess safety and affectivity of locust meal for poultry.
- Dried locust fed @ 10% of locust feed (replaced 50% soybean)
- Birds thrived and performed almost equal to those on soybean diet.



BRIOLER FEEDING TRIAL AT HATCH FEEDING LAHORE, PAKISTAN



FEED STATISTICS OF PAKISTAN

Feed	Annual Production	Soybean use	Animal source	Possible Locust use	Minimum Locust potential
Poultry Feed	8.5 million ton	20%	2%	1-20%	85,000 tons
Livestock Feed	1.5 million ton	-	-	1-5%	-
Pet Feed	All imported	20%	2-25%	1-20%	-

Way Forward

- Community Response is overwhelming:
 - Govt Support for Engaging Locust Meal industry
 - Poultry Meal Industry ensure Buy Back
 - Capacity and Resource Mobilization
 - Community based locust Sustainability
 - Research and Development





Thank You