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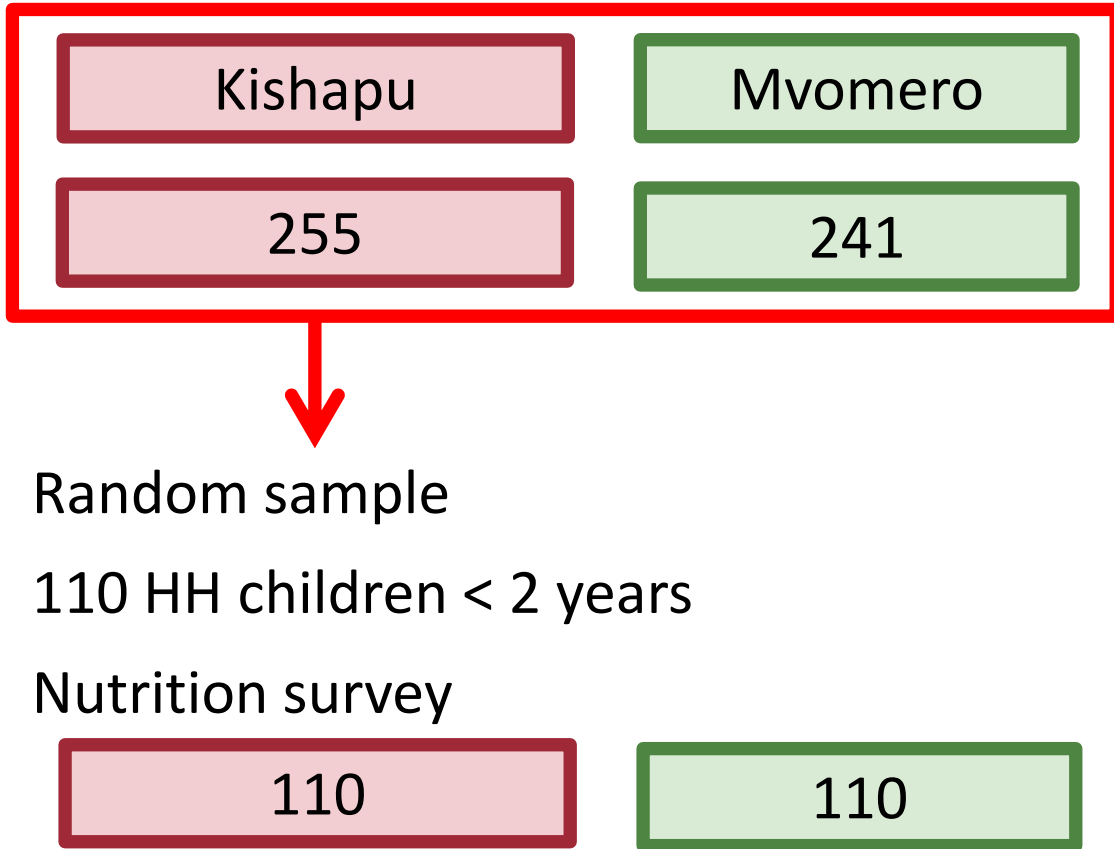
# Food Security and Nutrition Status of Mothers and Children in Tanzania

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- Child characteristics
- Mother and pregnancy
- Feeding practices
- Knowledge and attitudes
- Health and care practices
- **Dietary intake and diversity**
- **Anthropometrics**
- **Iron status**
- Urine collection



## Mothers

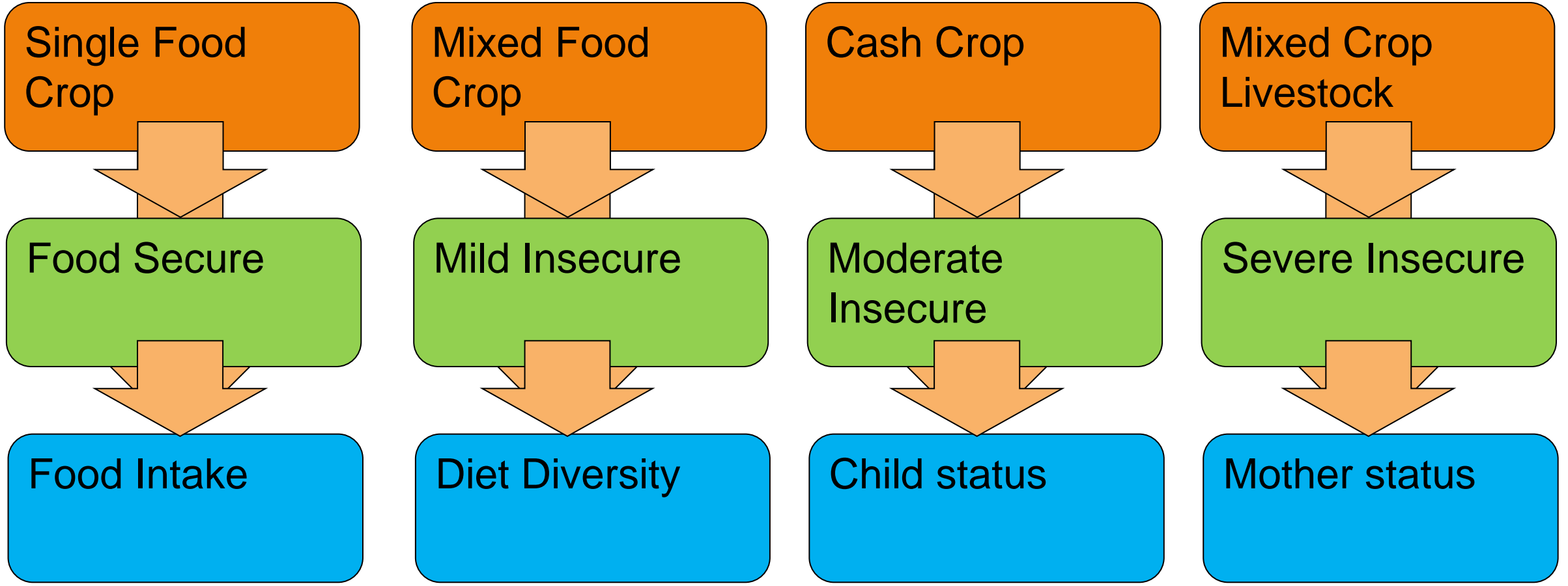
- 28±7 years
- 81% married
- 76% primary school
- 90% farmers

## Children

- 49% male / 51% female
- 21% < 6 months
- 32% 6-11 months
- 47% 12-24 months



# Analysis



# Nutrition Status Mother

	Single Food Crops		Mixed Food Crops		Cash Crops		Mixed Crops Livestock		P value
N	48		57		46		56		
Weight (kg)	54.35	48-61	50.68	48-56	55.05	49-58	55.03	49-60	0.084
Height (cm)	153.40	149-157	157.23	152 -161	156.55	154-159	158.38	156-166	<0.001
BMI (kg/m <sup>2</sup> )	22.68	20-25	21.08	20-23	22.07	20-24	21.53	20-24	0.03
MUAC (cm)	26.55	24-29	25.45	24-27	26.45	24-29	26.08	24-28	0.163
Hb (g/dL)	11.20	10-12	11.40	11-12	11.10	11-12	11.60	10-12	0.805

Median and IQR, p value: Kruskal Wallis Test



# Nutrition Status Mother - Child

	Weight Mother	Height Mother	BMI Mother
Weight Child			
Length Child			
Weight:age Z score			
Height:age Z score			
Weight:length Z score			



Pearson correlation  
P < 0.05



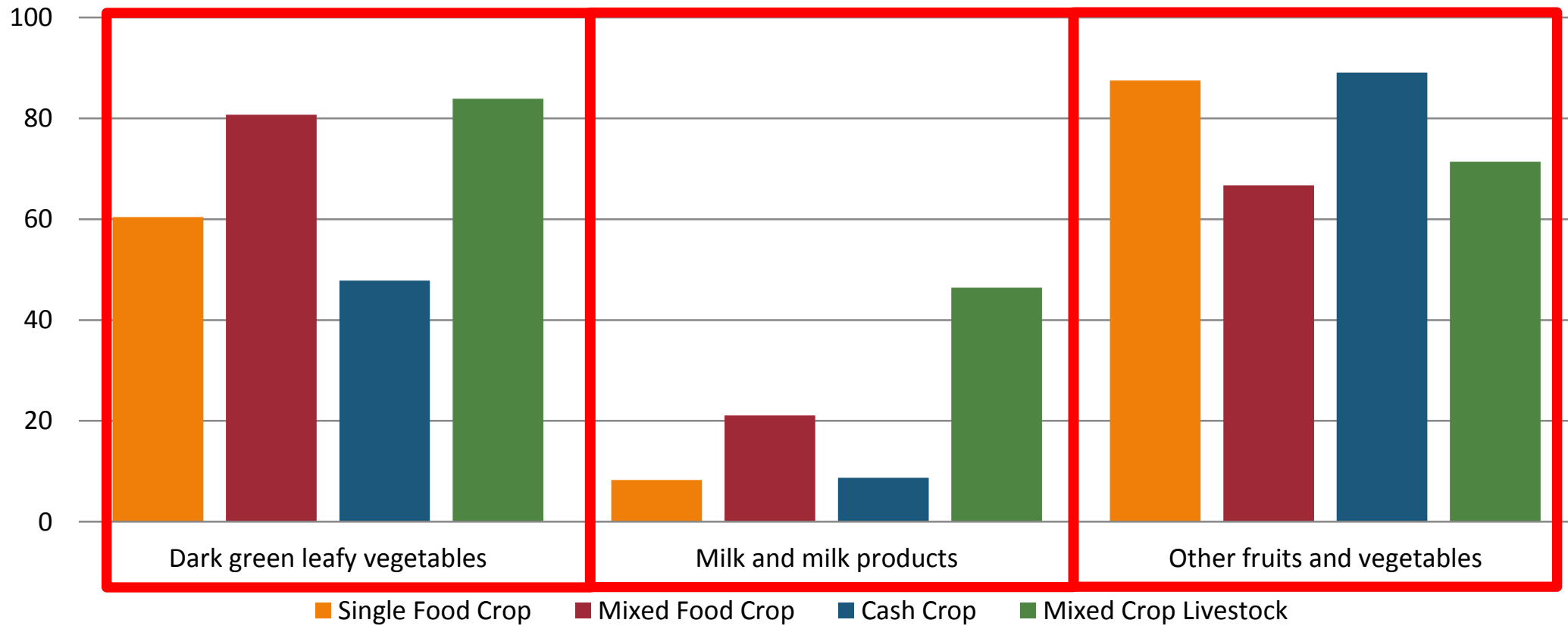
# Nutrition Status Child

	Single Food Crops		Mixed Food Crops		Cash Crops		Mixed Crops Livestock		P value
Weight (kg)	8.30	0.18	8.02	0.16	8.54	0.17	8.00	0.16	0.075
Length (cm)	70.19	0.50	69.66	0.44	70.31	0.49	69.35	0.46	0.451
Weight:age z	-0.62	0.18	-1.03	0.15	-0.22	0.17	-0.75	0.16	0.007
Length:age z	-1.16	0.18	-1.53	0.16	-0.78	0.18	-1.41	0.16	0.011
Weight:length z	0.00	0.20	-0.18	0.18	0.24	0.19	0.04	0.18	0.445
MUAC (cm)	14.30	14-15	14.38	13-15	14.53	14-16	14.05	13-15	0.103
Hb (g/dL)	9.70	9-11	9.60	8-10	9.60	9-10	9.60	9-10	0.873

Mean ±SE, p value: GLM ANOVA adjusted for gender, age and mother weight and height (where appropriate)

\*Median and IQR, p value: Kruskal Wallis Test

# Food Intake Mother

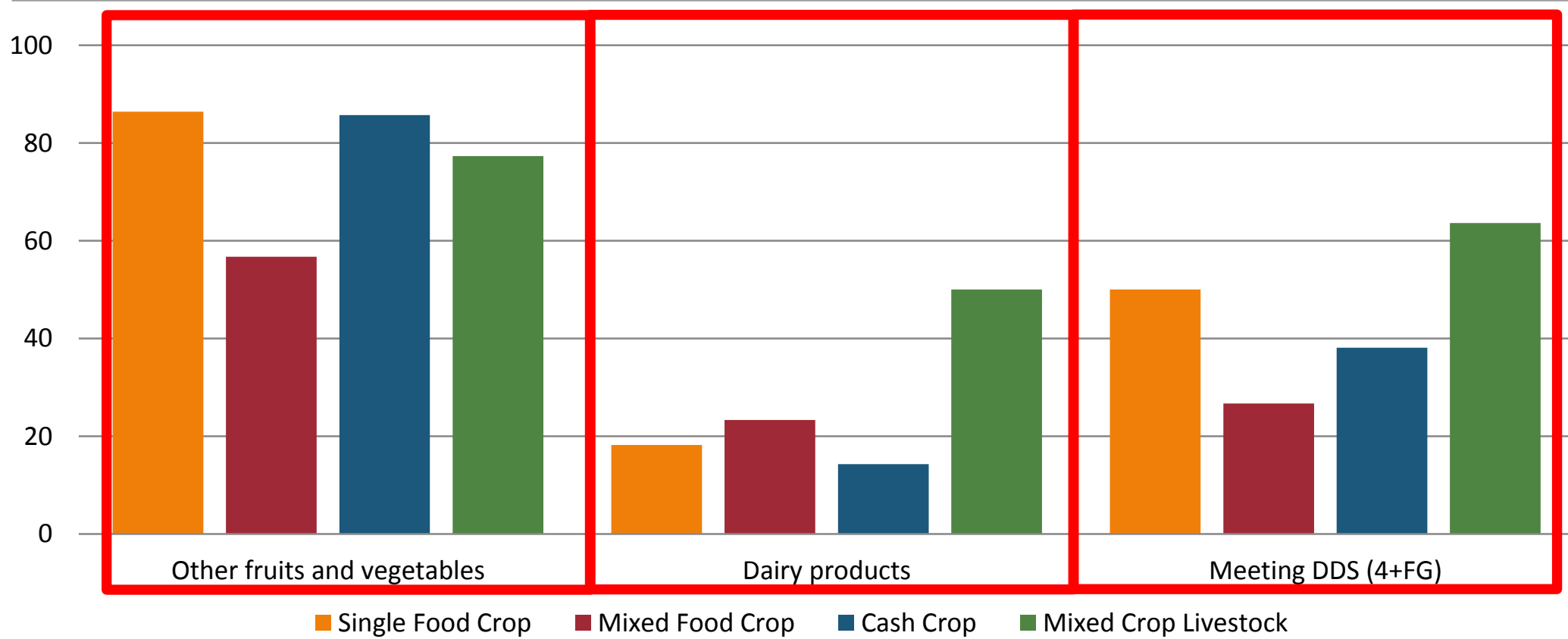


Chi Square P <0.05





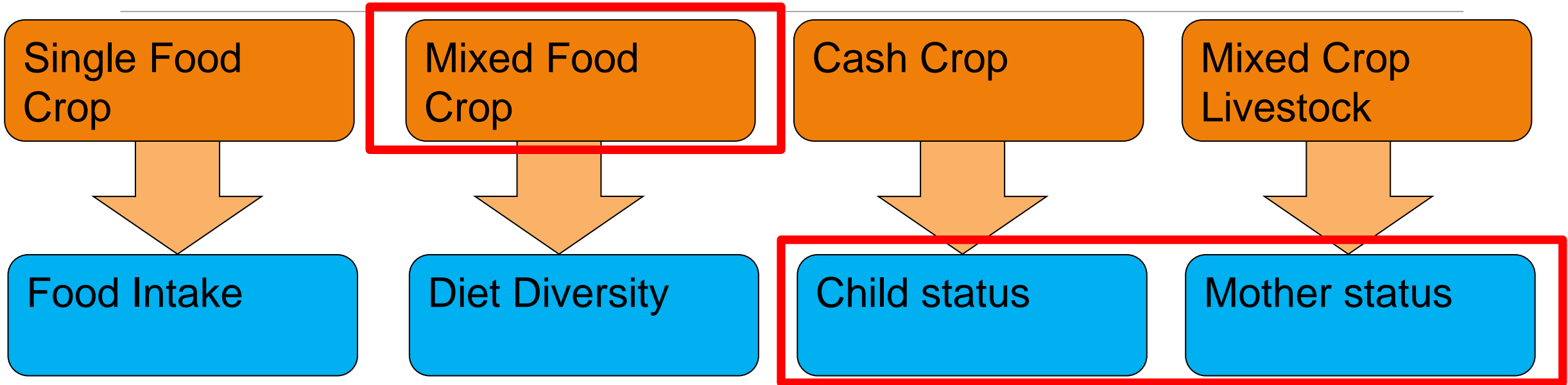
# Food Intake Child



Chi Square P <0.05



# Summary



Farming systems x nutrition status and food intake

Mother x child nutrition status

Mixed Food Crop

