

Statistical Study of Maize Autumn in the Punjab

**CROP REPORTING SERVICE,
AGRICULTURE DEPARTMENT,
PUNJAB**

**Director General:
Deputy Director(Stat):**

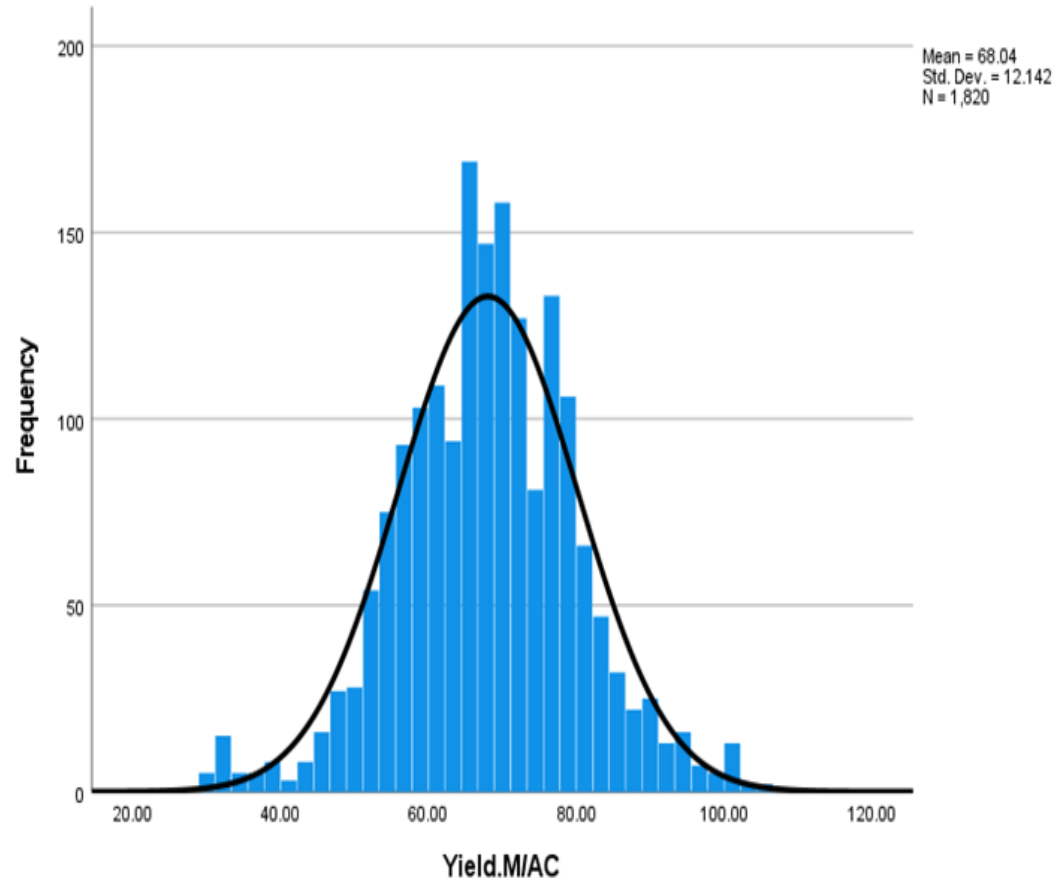
**Dr.Abdul Qayyum
Muhammad Farooq**

Study Details

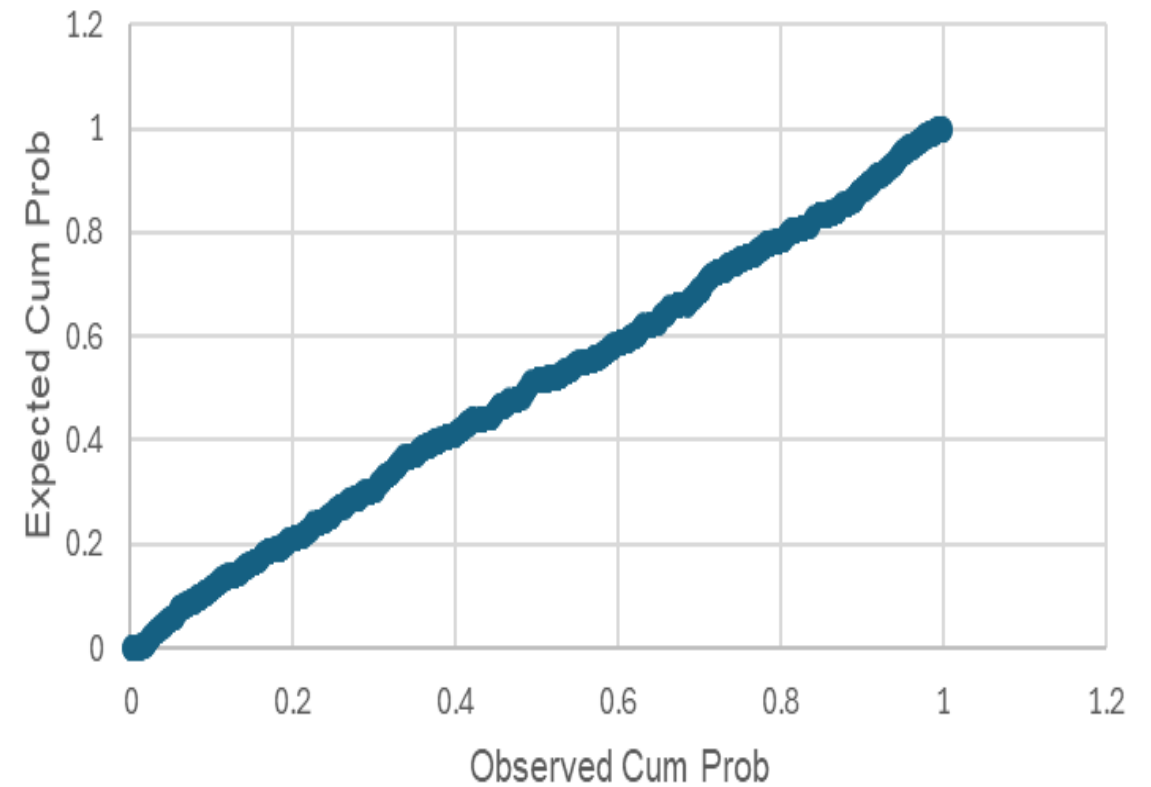
• Crop	Maize
• Season	Autumn
• Sowing Time	June, July & August
• Harvesting Time	October, November & December
• Main Growing Districts	Okara,Pakpattan,Sahiwal,Vehari,Khanewal,Faisalabad & Kasur.
• Sample Points	1820
• Plot Size	8X6 SQ.FT
• Years Of Study	2024-2025
• Section	ST-1
• Study Conducted By	Muhammad Farooq

Normality in Maize Yield

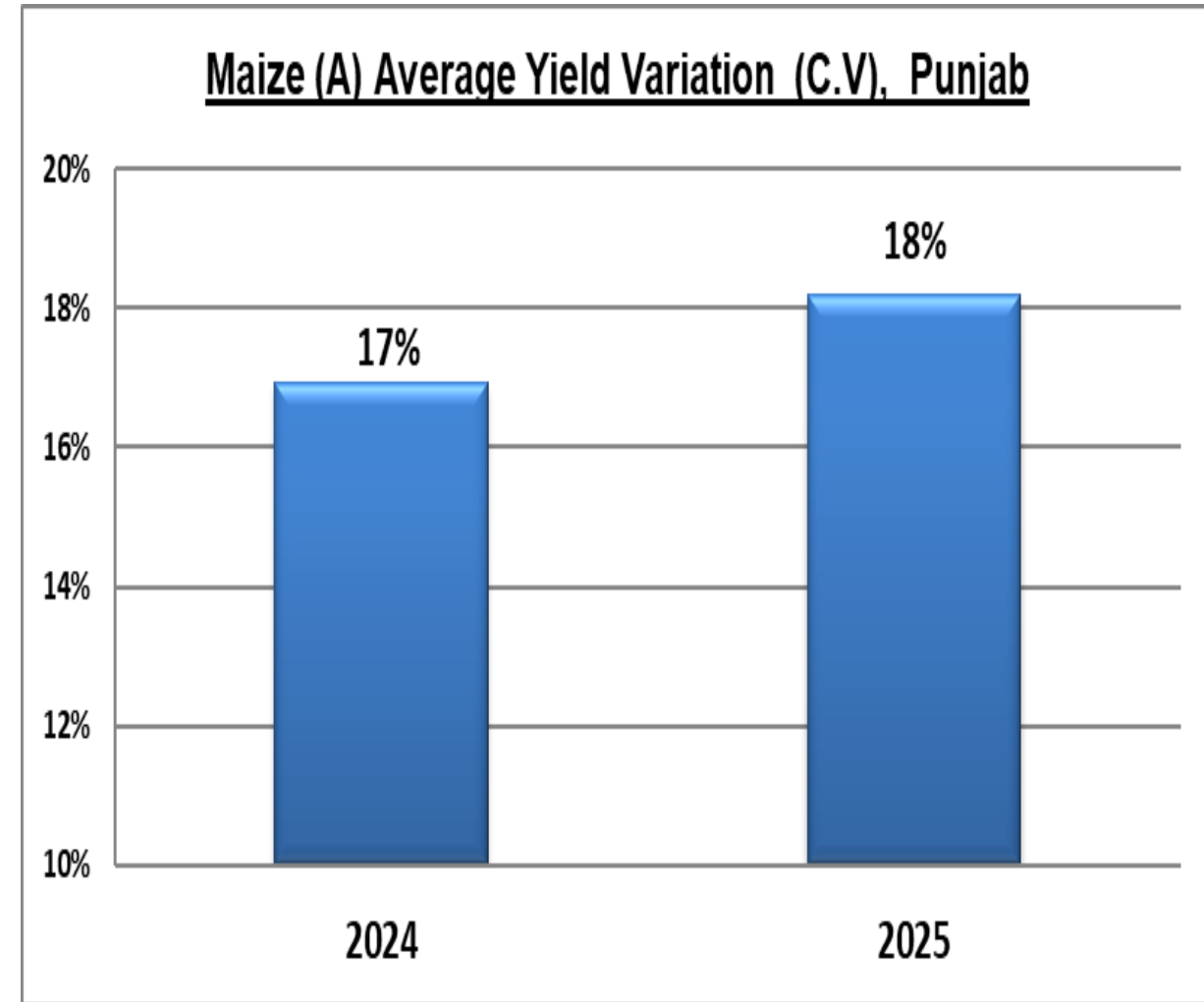
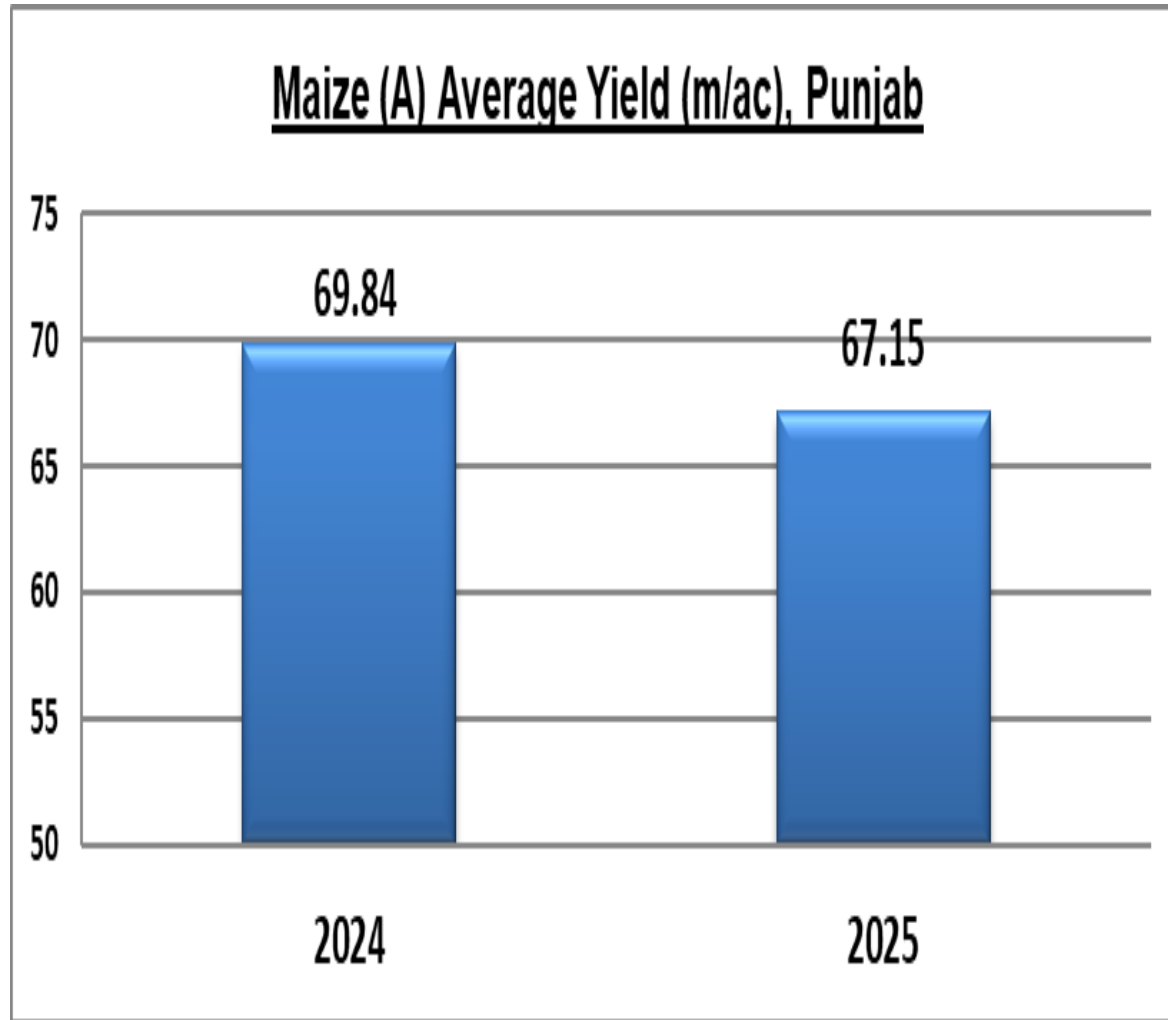
Histogram



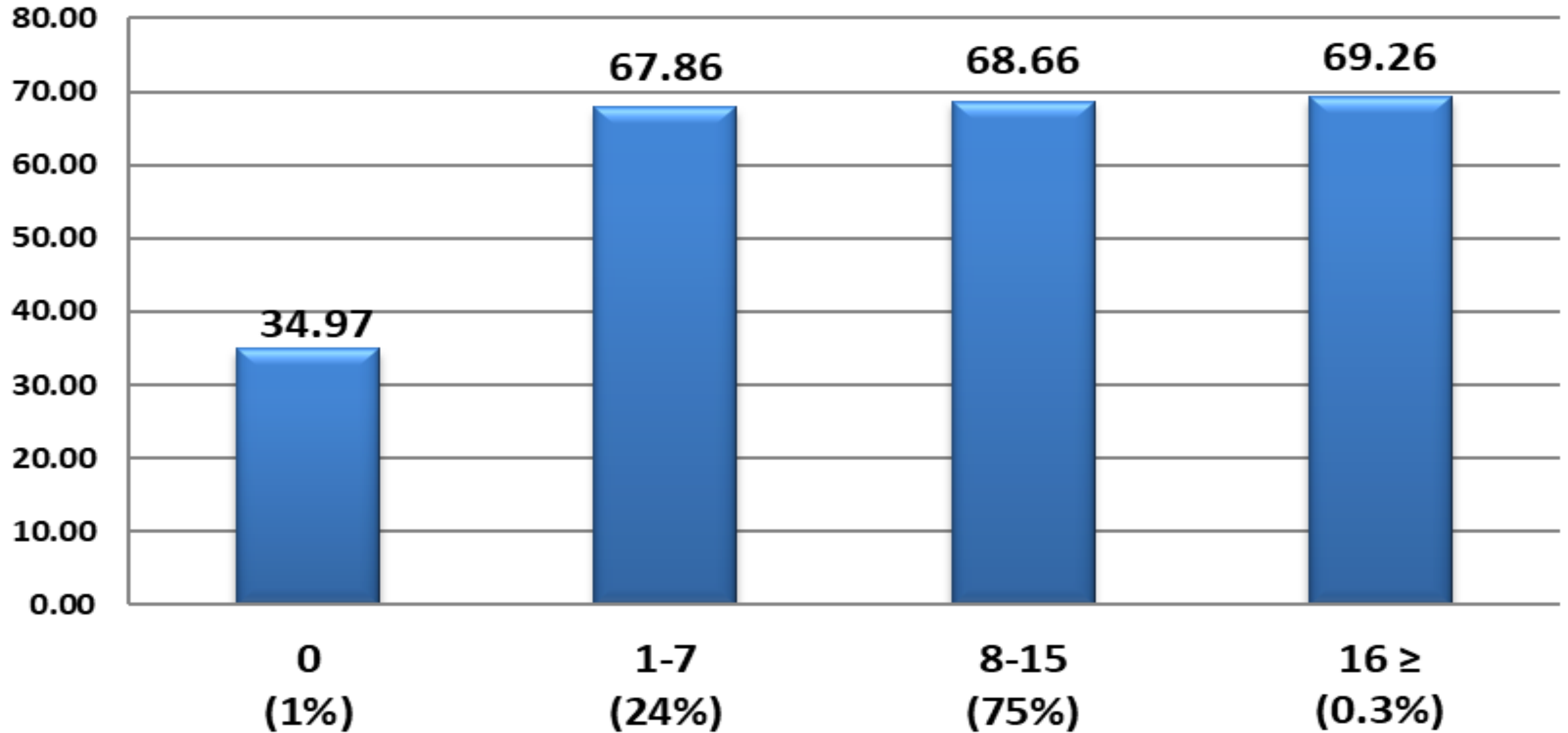
Normal P-P Plot of Yield.M/AC



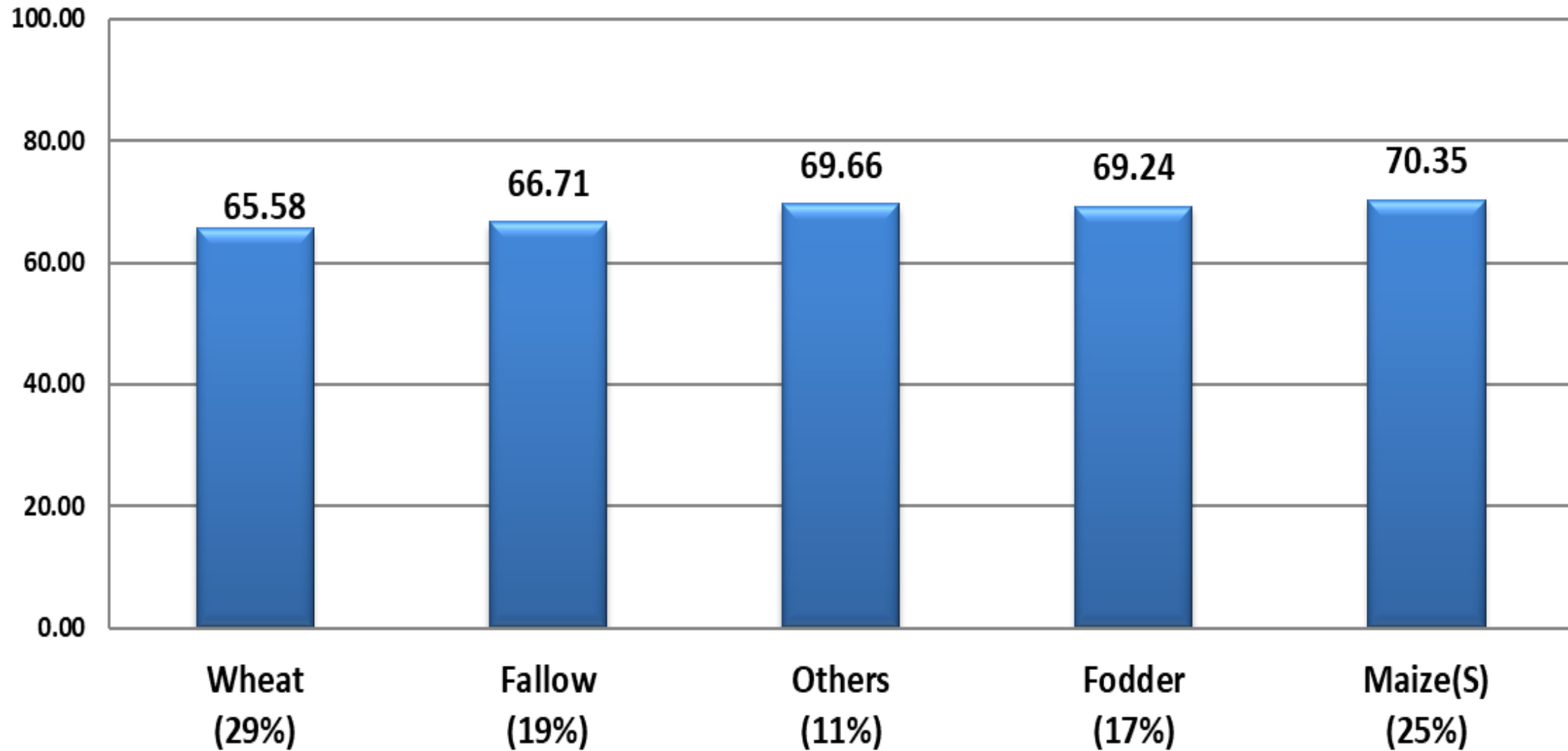
Maize Autumn Average Yield & Variation, Punjab



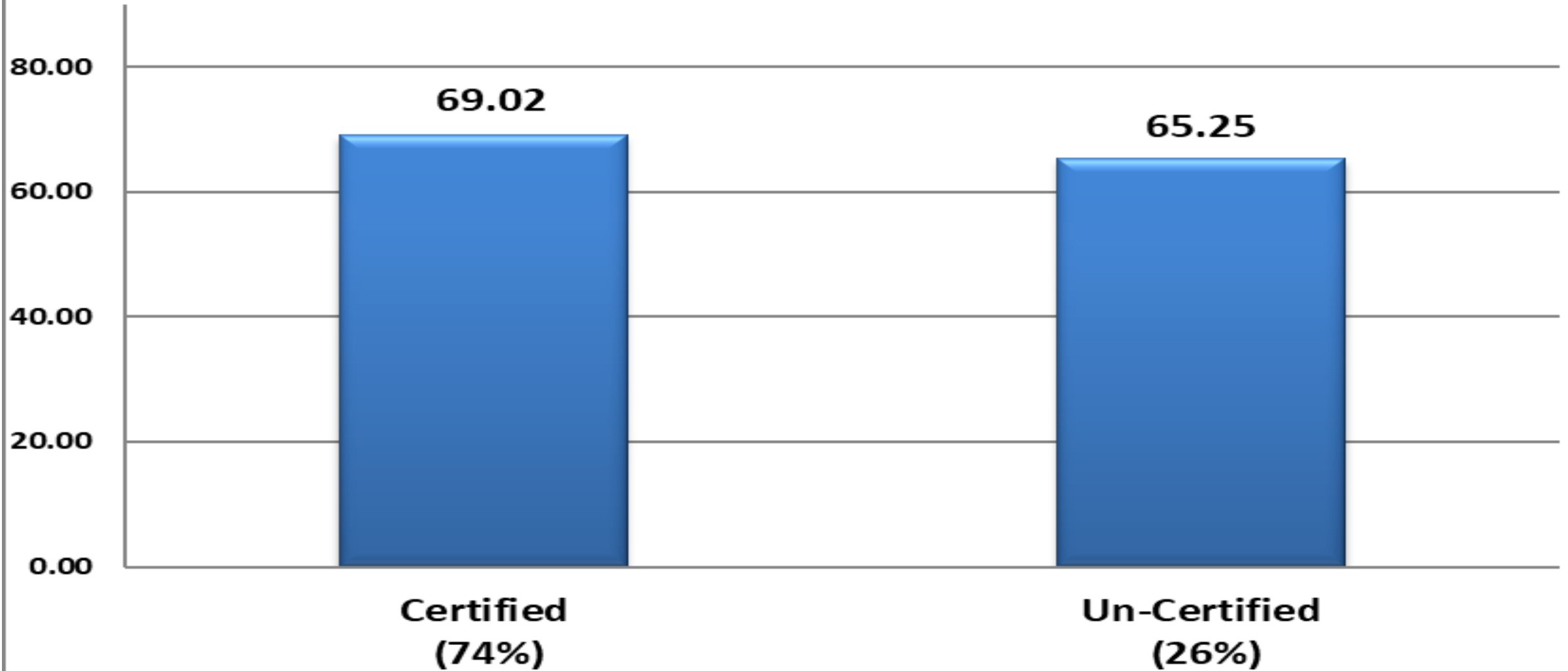
Maize (A) Average Yield (M/AC) by No of Water, Punjab



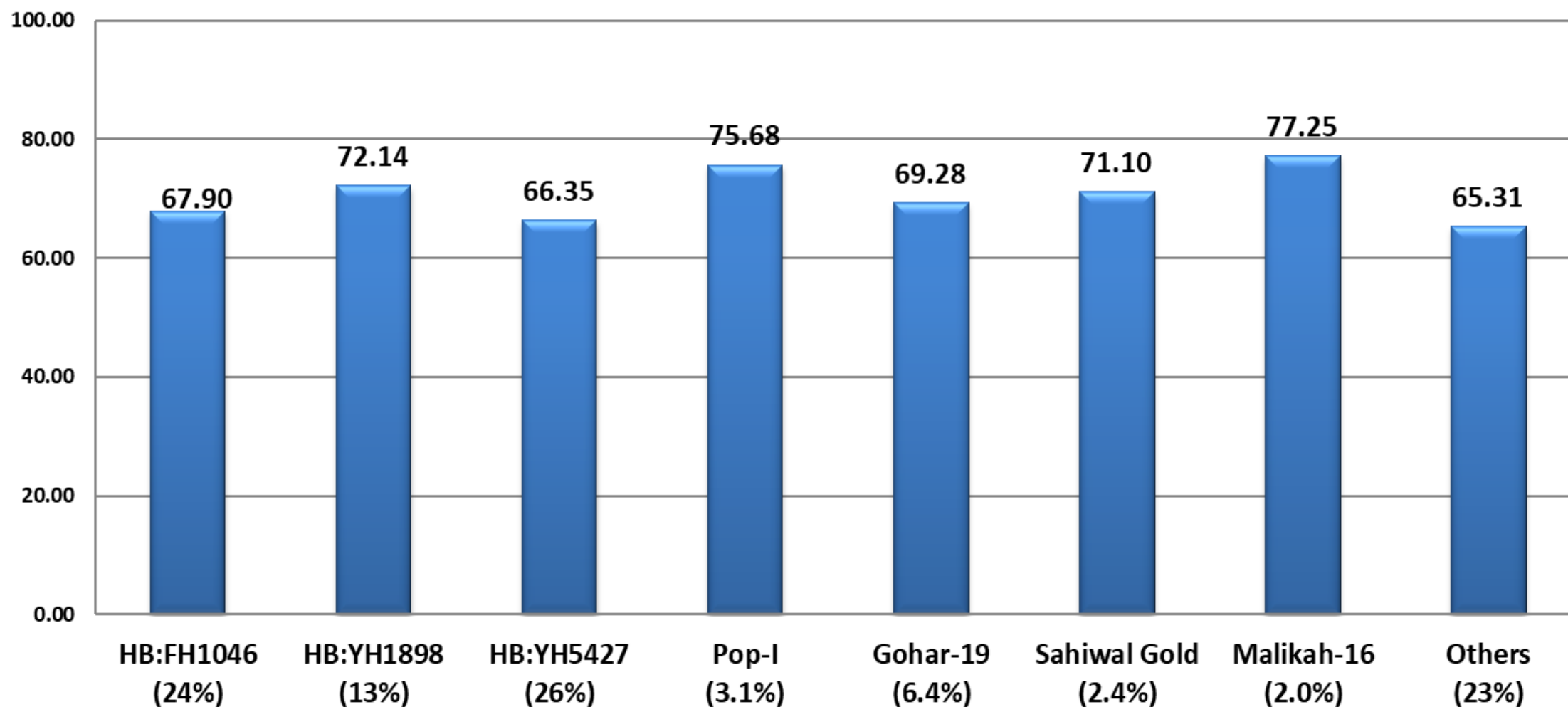
Maize (A) Average Yield (M/AC) by Last Crop, Punjab



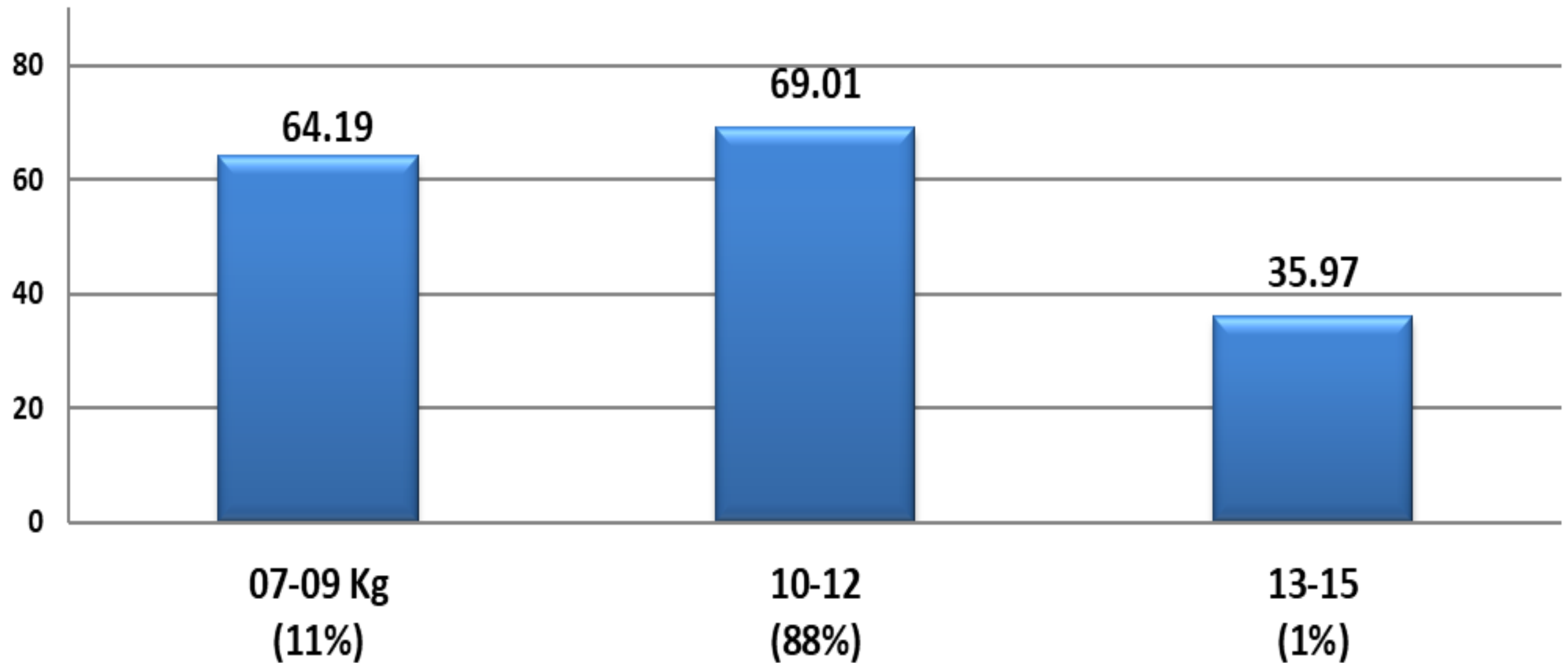
Maize (A) Avg. Yield (M/AC) by Seed Type, Punjab



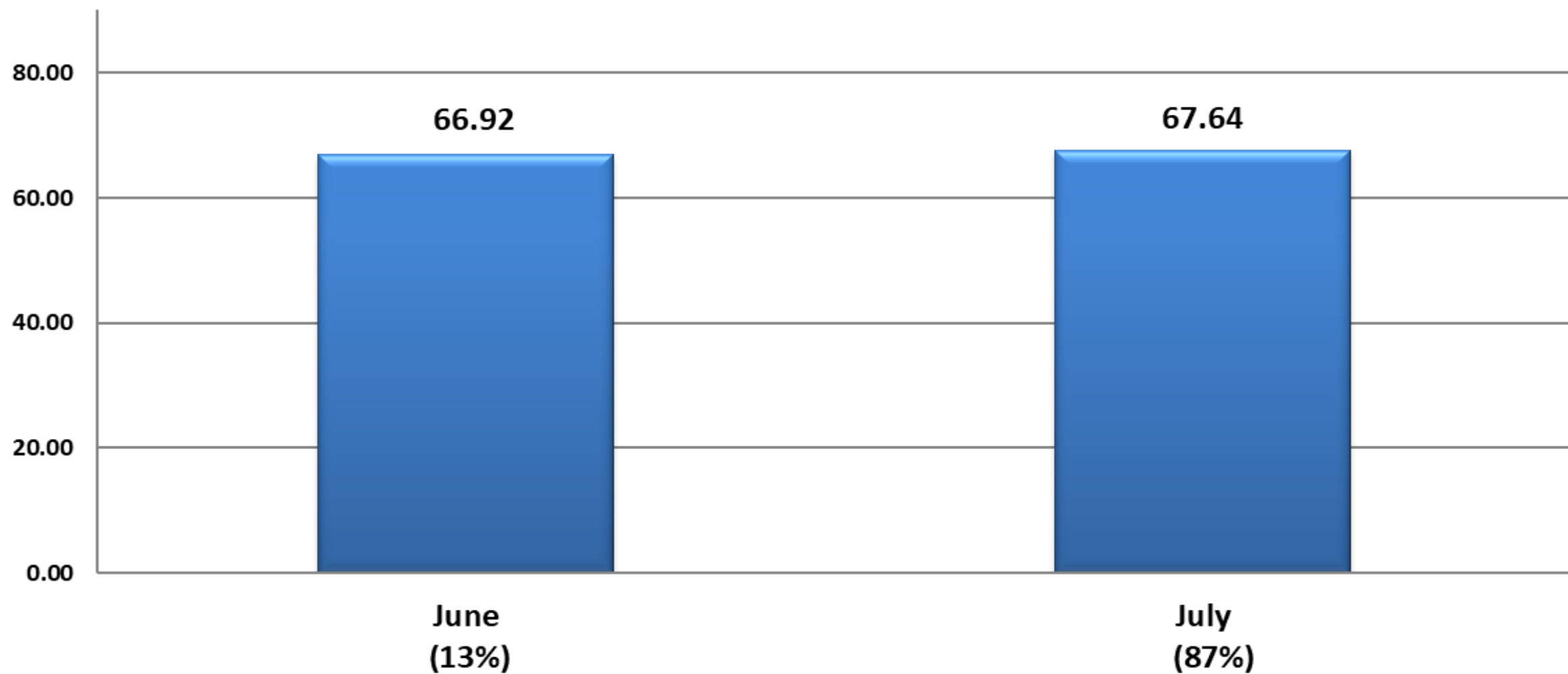
Maize (A) Average Yield (M/AC) by Varieties Crop, Punjab



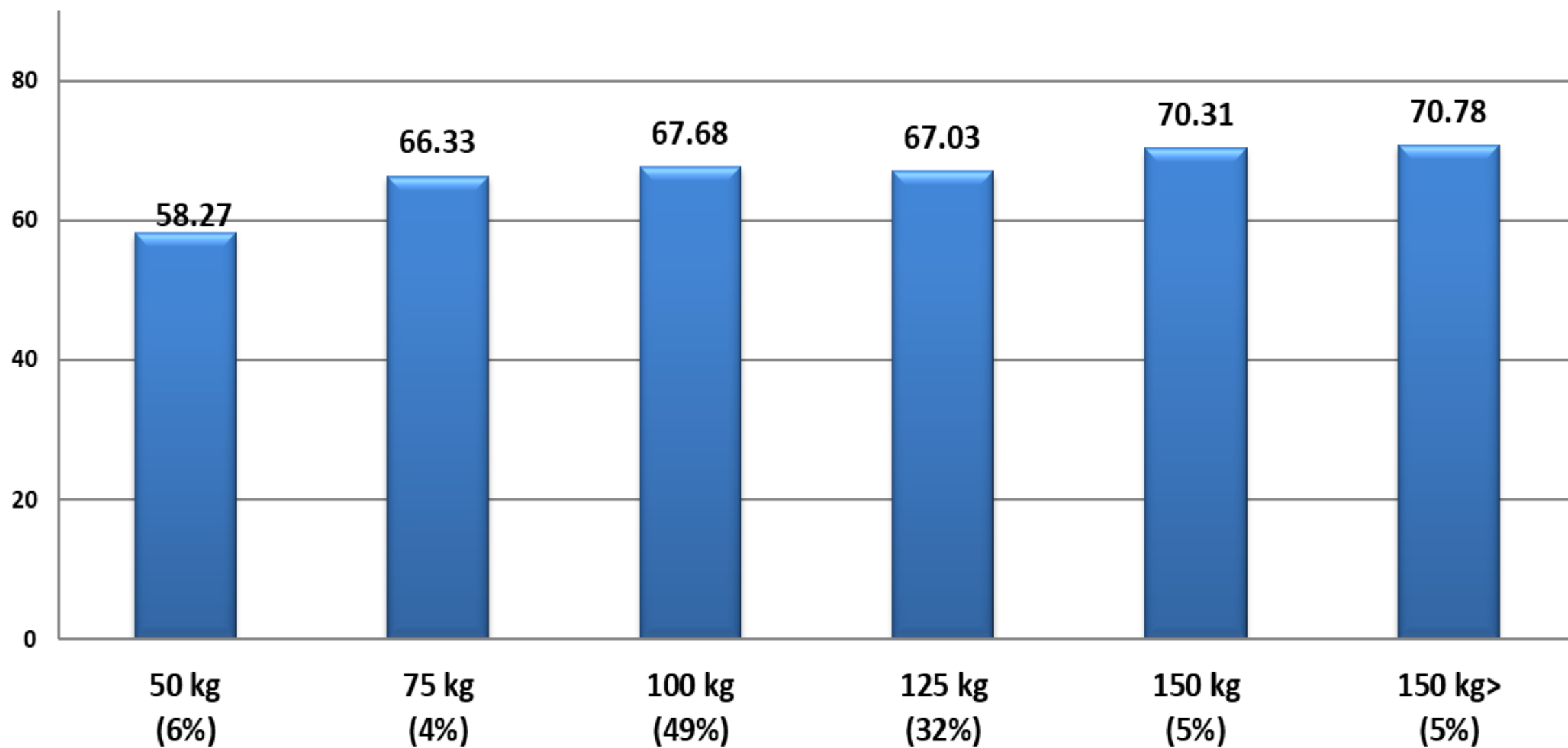
Maize (A) Avg.Yield (M/AC) by Seed Quantity (kg/Acre), Punjab



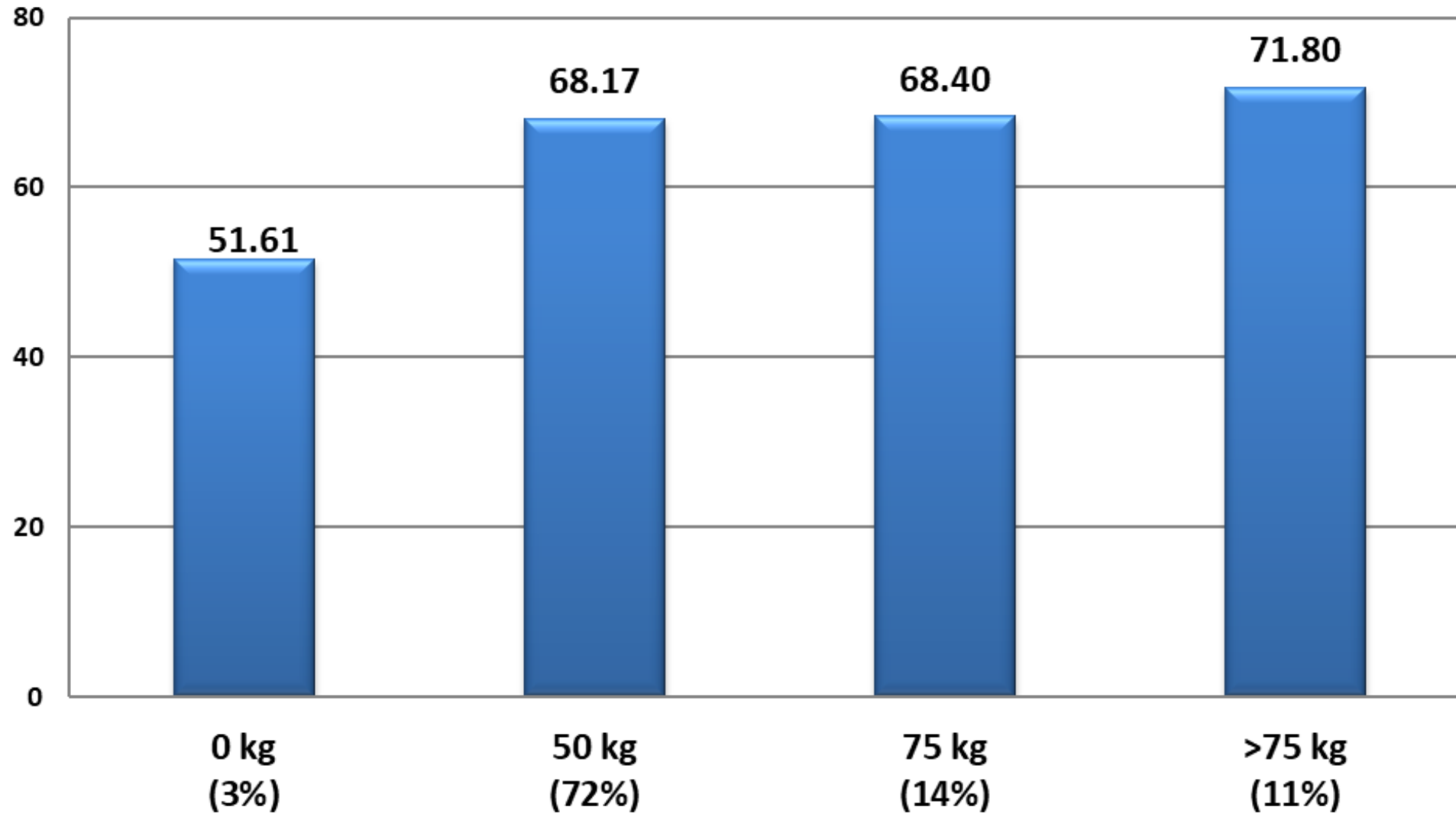
Maize (A) Avg. Yield (M/AC) by Sowing Time, Punjab



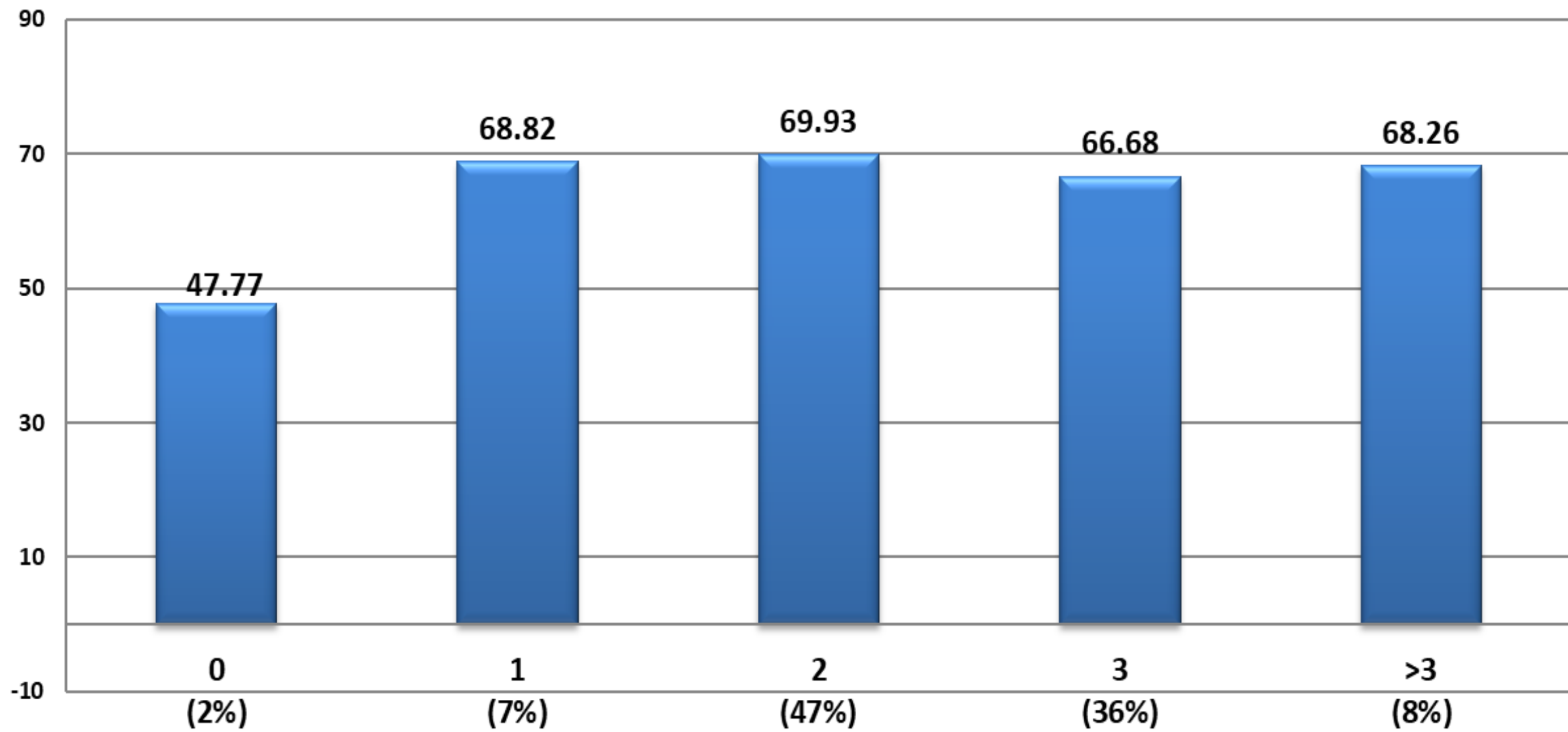
Maize (A) Avg.Yield (M/AC) by Urea Usage (kg/AC), Punjab



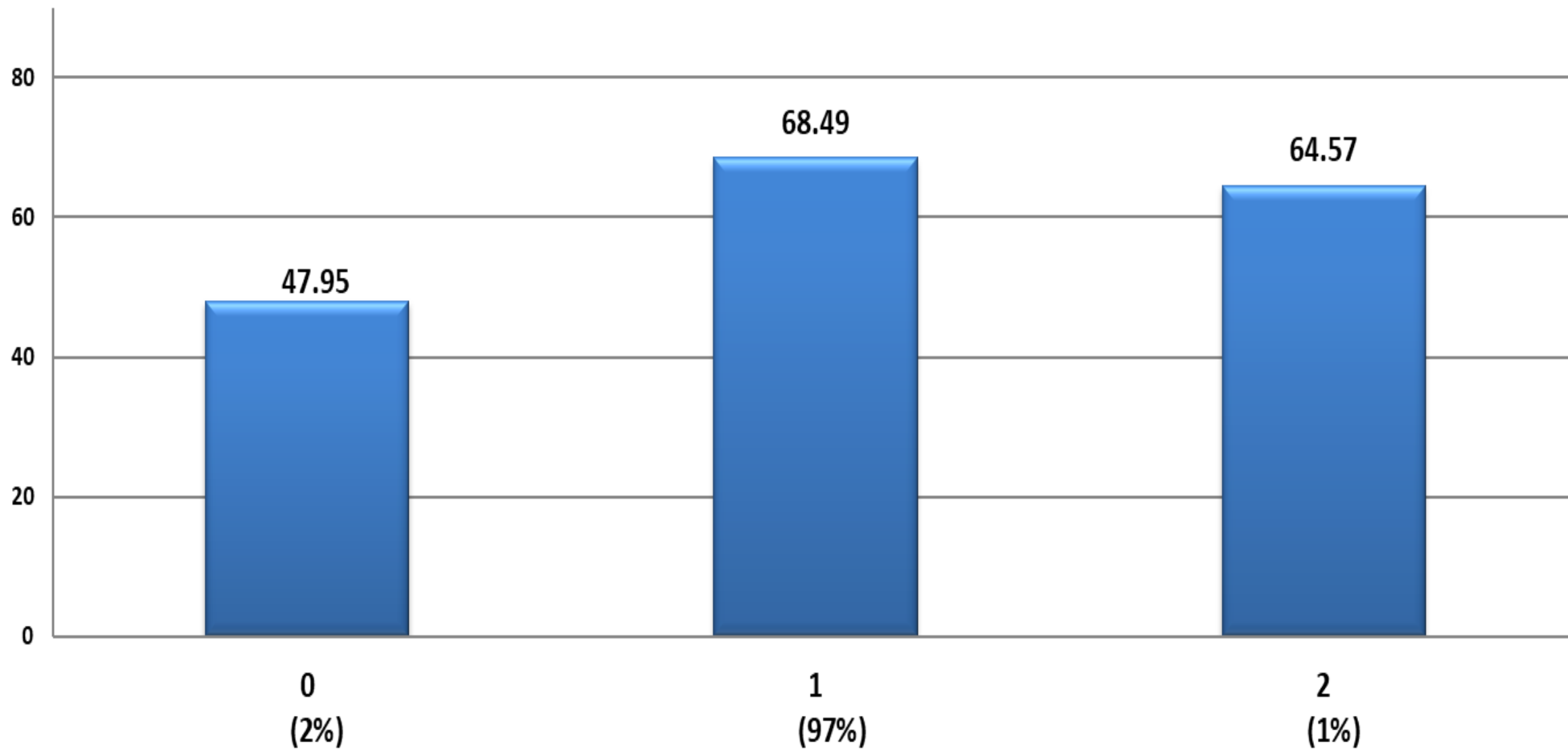
Maize (A) Avg.Yield (M/AC) by DAP Usage (KG/AC), Punjab



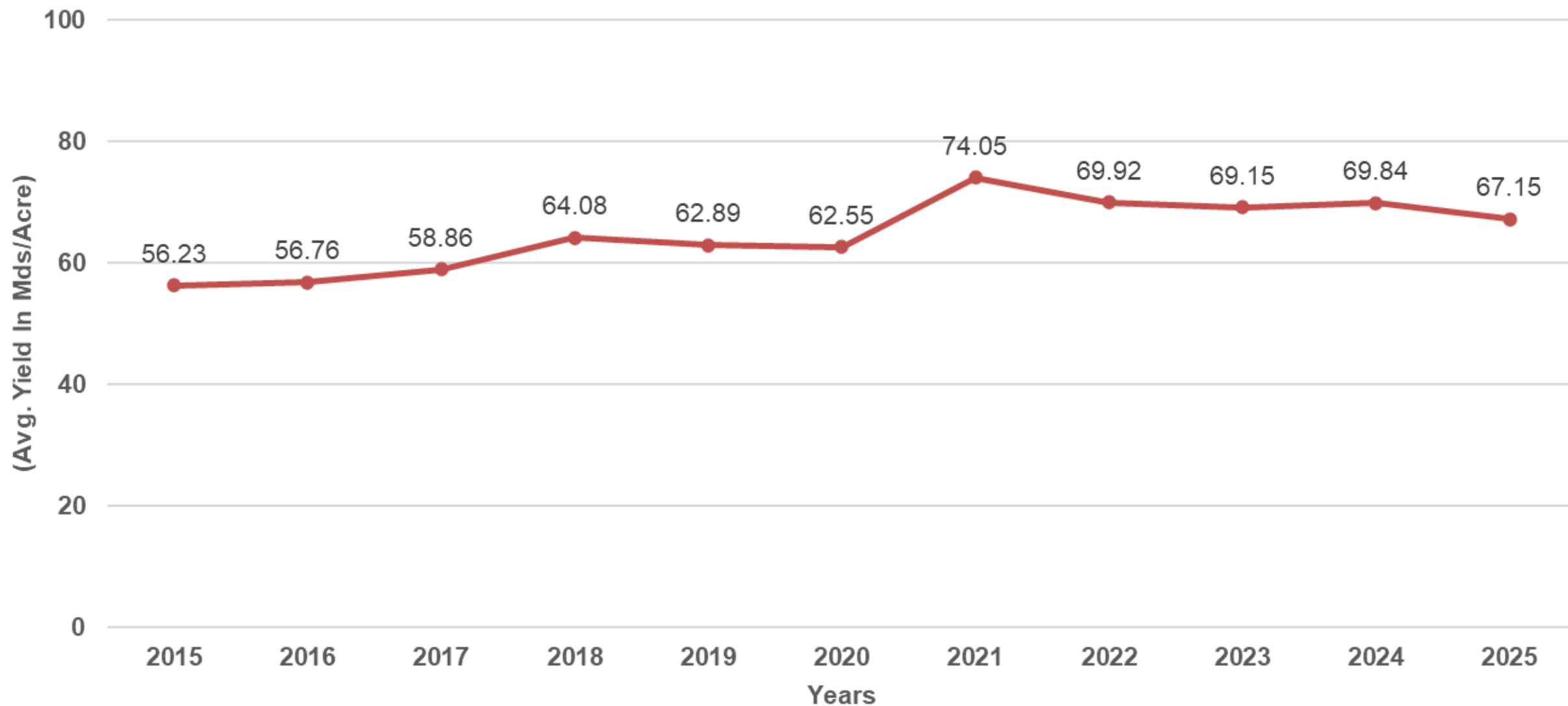
Maize (A) Average Yield (M/AC) by No. of Pest Spray, Punjab



Maize (A) Average Yield (M/AC) by No. of weed Spray, Punjab

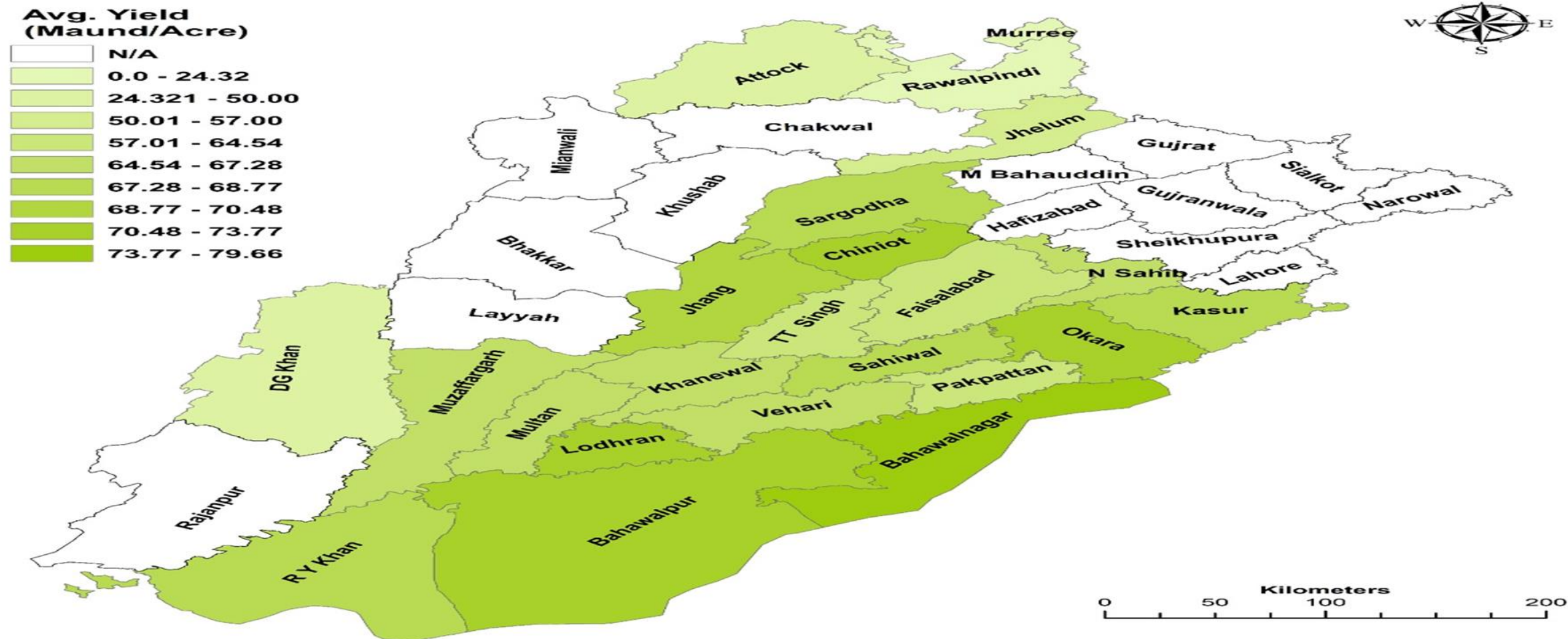


Last Ten Years Yield Trend of Maize (A)



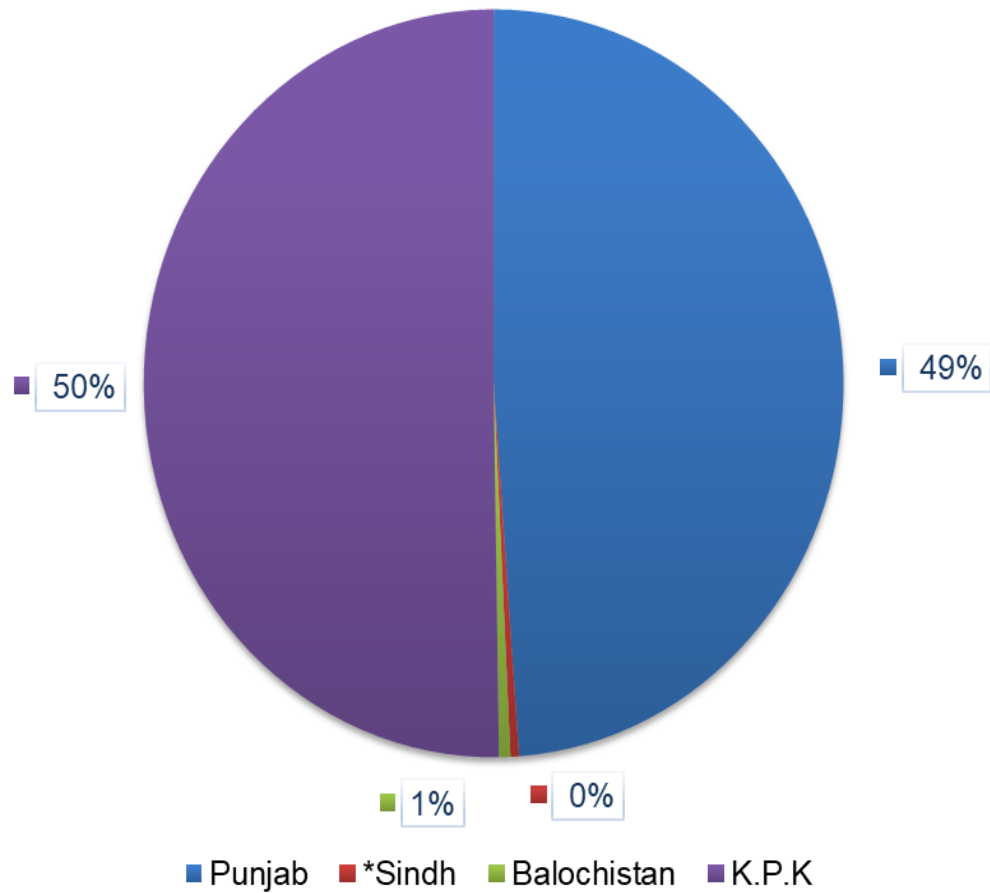
MAIZE (AUTUM) IN PUNJAB 2024-25

Punjab Agriculture Department
(RS & GIS Section, Crop Reporting Service, Punjab)

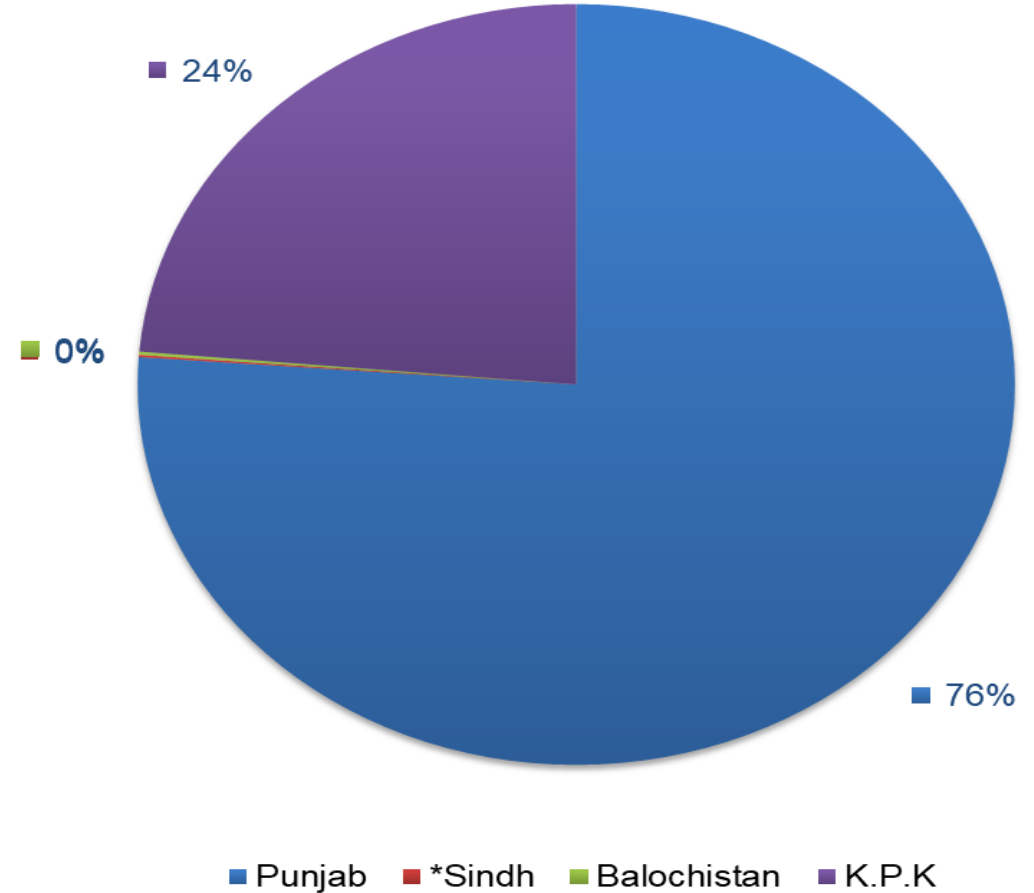


Maize (A) Share in Pakistan

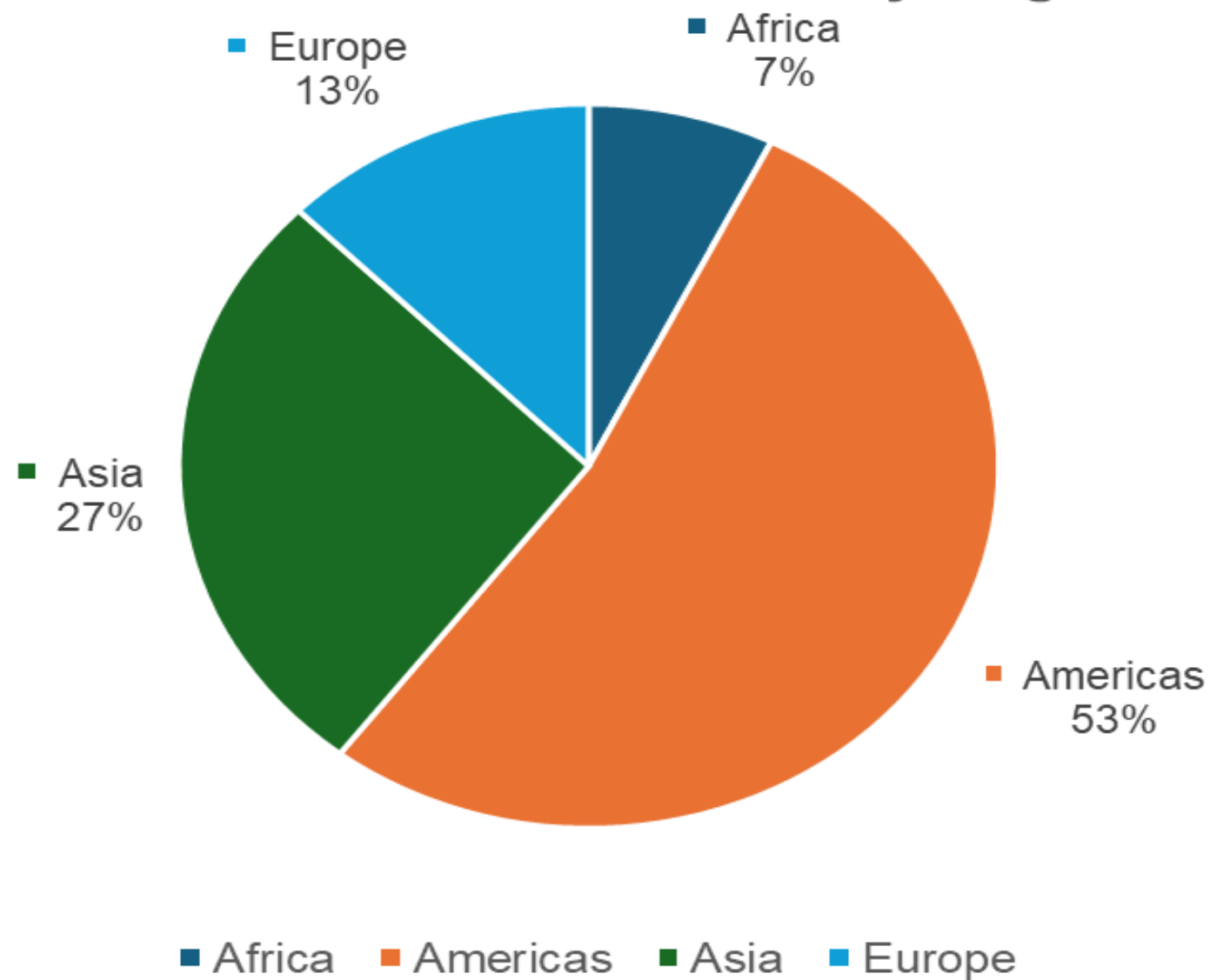
Maize (A) Area Share in Pakistan



Maize (A) Production Share in Pakistan



Production Share of Maize By Region



Cost of Production of Maize (A) 2024-25

Weighted Average Cost of Production

Maize (Hybrid), 2024-25

No.	Operation / Inputs	Avg. No. of Operation / Unit (/acre)	(%) of Usage (Weights)	Avg. Cost per Operation / Unit (Rs./acre)	Total Weighted Cost (Rs./acre)
1	Leveling	1	42%	3631	1525
	Cost of Land Preparation				11940
2	Seed Quantity (kg)	11	100%	1452	16262
	Seed Drilling	1	8%	2821	226
	Seed Broadcasting	1	84%	2552	2144
	Seed Treatment	1	63%	867	546
	Cost of Seed & Sowing				19178
3	Water No	11	96%	2285	24568
	Water Labour	1	96%	290	3118
	Cost of Irrigation				27686
4	Urea	3	99%	4741	12673
	DAP	1	96%	12600	13306
	Other Fertilizer	1	32%	7841	2509
	Fertilizer Labour/Transport	1	99%	487	482
	Cost of Fertilizer				28970
5	Dung trolly	2.6	5%	1790	233
	Dung Labour/Transport	1	4%	1542	160
	Cost of Dung				393
6	Spray Pesticides	3	98%	1512	4445
	Spray Pest Labour	1	98%	459	1349
	Cost of Pesticides				5795
	Spray Weedicides	1.1	95%	1390	1453
	Spray Weeds Labour	1	95%	369	386

7	Cost of Weedicides				1838
	Pick / Dig Cost	1	10%	10169	1016.9
	Manual Cutting Cost	1	84%	9256	7775
	Threshing Cost	1	86%	3733	3210
	Machine Harvesting				
	8	Cost of Harvesting			
9	Land Rent (Rs./acre)	1	18%	160000	28992
	Admin. Cost	1	5%	4930	247
	Tunnel Cost				
	10	Cost of Other Exp.			
	Transport Rent	1	52%	4740	2465
	Transport Labour	1	52%	1607	836
	11	Cost of Transport			
Cost of Production		At Mandi Gate (With Land Rent)	(Rs./ acre)	140,341	
			(Rs./ 40 Kg)	2,016	
Average Yield		for the Last 3 Years	(40kg/acre)	69.6	
Expected Revenue		Crop Value @ 2,520	(Rs./acre)	175,426	
		Residual Value	(Rs./acre)		
		Gross Revenue	(Rs./acre)	175,426	
Expected Profit		At Mandi Gate (With Land Rent)	(Rs./acre)	35,085	
			(Rs./40kg)	504	
Indicative Price (Rs./ 40 Kg) @ 25%				2,520	

RESEARCHED & DESIGNED
BY
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