

(2) The evaluation results demonstrate the operability and feasibility of this comprehensive fuzzy evaluation model for evaluating agricultural innovation ability in science and technology. This model can also be used in other similar cities and under similar conditions.

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TABLE 2 THE INDEX VALUE AND MEMBERSHIP AGRICULTURAL INNOVATION SYSTEM IN SCIENCE AND TECHNOLOGY OF LIANYUNGANG CITY IN CHINA

	Name of index	Index value	Degree of membership
Agricultural innovation in science and technology policy subsystem	using science and technology funds from government departments / (Ten thousand Yuan)	240.3	(0,0,0.694,0.306,0)
	research and development expense deduction tax relief / (Ten thousand Yuan)	127.9	(0.8605,0.1395,0,0,0)
The innovation of agricultural in science and technology resources and configuration subsystem	number of R&D persons / (person)	295	(0,0,0,0.5625,0.4375)
	number of scientific and technical institutions	20	(0,0,1,0,0)
	research funding / (Ten thousand Yuan)	5476	(0,0,0.8413,0.1587,0)
	rural labor skills training / (Ten thousand persons)	4.47	(0,0.265,0.735,0,0)
	technology acquisition and improvement / (Ten thousand Yuan)	8279.3	(0,0,0.4302,0.5698,0)
	agricultural information service coverage/ (%)	61.48	(0,1,0,0,0)
	patent ownership transfer and licensing / (item)	37	(0.15,0.85,0,0,0)
Agricultural innovation science and technology output subsystem	Scientific and technological cooperation projects accounting for the ratio of science and technology projects / (%)	83	(0,0,0,0.925,0.075)
	agricultural science and technology progress contribution rate / (%)	50.04	(0,0.498,0.502,0,0)
	number of published scientific papers	33	(0,0.2,0.8,0,0)
	R&D projects	54	(0,0.7,0.3,0,0)
	number of invention patents / (item)	41	(0,0,0.9,0.1,0)
	forming state or industry standards / (item)	12	(0,0,1,0,0)
	agricultural exports amount growth rate / (%)	17.5	(0,0,0.5833,0.4167,0)