

Annex 1: Research Programmes Related to Organic Farming in France: Project Lists

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11.1 National Programme 2000-2003

11.1.1 Programme “Agribio I” (INRA and ACTA)

11.1.2 Programme “INRA – PSDR” (Research on regional development, not exclusively devoted to organic farming)

11.1.3 Programme “ACTA” (separate)

11.1.4 Ministry of Research: Global “AQS programme” (not totally devoted to organic farming)

11.2 National Programme 2004 - 2007

11.2.1 Programme “Agribio II” (INRA, ACTA, ACTIA)

11.2.2 Programme “ADAR”

11.2.3 Ministry of Research: Global “RARE program” (not totally devoted to organic farming)

11.3 Regional Programmes 2000 – 2006

11.3.1 Pôle Bio Massif Central – Programme 2000-2006

11.3.2 GRAB – Programme 2000-2006

1.1 National Programme 2000-2003

1.1.1 Programme "Agribio I" (INRA¹ and ACTA²)

Project Number	Internal projects (INRA, 2000–2003)	National targeted funding (Total additional costs, in €) INRA	National total costs (in €)	Person-month (during the totality of the project)	Research scientists and Engineers
AB1-1	Cereal production: kinetics of crop requirements and soil nitrogen mineralisation rates	19,800	679,800	88	9
AB1-2	Fruit growing: fertilisation, fruit quality, hedgerows, biodiversity	19,800	102,300	11	4
AB1-3	Livestock production: sheep farming, extensive production, production periods, animal feeding, health.	19,800	1,069,800	140	23
AB1-4	How to improve organic farming standards to meet consumer requirements?	10,672	70,672	8	3
AB1-5	Development of production systems in potato growing	11,434	221,434	28	3
AB1-6	Plant breeding for potato growing	41,178	416,178	50	5
AB1-7	Environmental risk assessment in dairy farming	7,622	142,622	18	3
AB1-8	Organic milk quality and supply chain management	7,620	187,620	24	3
AB1-9	Plant breeding in cereals, cabbage, cauliflower	14,300	149,300	18	7
AB1-10	Influence of wheat cultivation management on mycotoxins	5,145	567,645	75	5
AB1-11	Cultivation of organic oilseed rape	6,700	621,700	82	6

¹ National Institute for Agricultural Research (INRA), www.inra.fr

² Union of the Technical Institutes for Agriculture (ACTA), www.acta.asso.fr

Project Number	Internal projects (INRA, 2000–2003)	National targeted funding (Total additional costs, in €) INRA	National total costs (in €)	Person-month (during the totality of the project)	Research scientists and Engineers
AB1-12	Influence of organic farming on nitric waste in soil	9,900	309,900	40	4
AB1-13	Development of organic rice and hard wheat in the Camargue (marshlands in southern France)	3,200	723,200	96	6
AB1-14	Organic fertilisation in vegetable growing	6,860	224,360	29	4
AB1-15	Organic feed quality for pig farming	4,572	570,822	75.5	5
	Collaborative projects (Call opened by INRA and ACTA, 2001-2003)				
AB1-16	How to reduce the use of copper	126,489	2526,489	320	30
AB1-17	Controlling grapevine yellows	51,539	921,539	116	
AB1-18	Production of seeds and plants in organic farming	261,697	703,447	58.9	36
AB1-19	Assessment of wheat genetic resources adapted to organic farming	22,900	2,366,2900	312	10

1.1.2 Programme “INRA³ – PSDR” (Research on regional development, not exclusively devoted to organic farming)

Project number	Projects INRA	National targeted funding (Total additional costs, in €)	National total costs, in €	Person-month	Research scientists and Engineers
PSDR-1	Project “ARPENT Bio”: Market and supply chains dynamics in the “Pays de la Loire” region	562,188	1,777,188	162	10
PSDR-2	Organic cereals and milk	26,059	129,559	13.8	2

³ National Institute for Agricultural Research (INRA), www.inra.fr

1.1.3 Programme “ACTA⁴” (separate)

Project Number	Projects ACTA 2000-2004	National targeted funding (Total additional costs, in €)	National total costs, in €	Person-month	Research scientists and Engineers
ACTA-1	Comparison of control strategies against the thistle (<i>Cirsium arvense</i> (L.) Scop.) in organic crop systems	112,127	370,877	34.5	7
ACTA-2	Regional raw materials and supply in pig and birds organic productions	207,588	612,588	54	13
ACTA-3	Plants and seeds	625,66	396,316	44.5	11

1.1.4 Ministry of Research: Global “AQS programme” (not totally devoted to organic farming)

Project Number	Project	National targeted funding, in €	National total costs, in €	Person-month	Scientists and engineers
AQS-1	AQS - bio future trends for the organic market and consumer learning	80,798	260,798	24	8
AQS-2	Control of corn production in organic farming and of processes of grinding adapted to the manufacture of nutritional high density flour	90,000	315,000	30	

⁴ Union of the Technical Institutes for Agriculture (ACTA), www.acta.asso.fr

1.2 National Programme 2004 - 2007

1.2.1 Programme “Agribio II” (INRA⁵, ACTA⁶, ACTIA⁷)

Number	Collaborative projects INRA-ACTA-ACTIA	National targeted funding (INRA), in €	National total costs, in €	Person-month (during the totality of the project)	Scientists and engineers
AB2-1	Improving the quality of organic bread	212284	1,022,284	108	28
	Collaborative projects INRA-ACTA				
AB2-2	Fertilisation in organic farming	173,905	1,478,905	174	29
AB2-3	Fruits plants improvement	33,766	1,212,766	157.2	16
AB2-4	Conversion in organic farming	96,490	1,191,490	146	21
AB2-5	Analyzing the impact of organic farming on the environment (in breeding production)	117,780	522,780	54	6
	INRA internal projects				
AB2-6	Improving the potato seeds	10,000	325,000	42	8
AB2-7	Interactions genotype-milieu and participatory selection	60,500	1,065,500	134	10
AB2-8	Quality of cheep products	20,000	342,500	43	13
AB2-9	Global Control of parasitism	13,000	253,000	32	10

⁵ National Institute for Agricultural Research (INRA), www.inra.fr

⁶ Union of the Technical Institutes for Agriculture (ACTA), www.acta.asso.fr

⁷ Union of the Technical Institutes for Food Processing (ACTIA), <http://www.actia.asso.fr/>

1.2.2 Programme “ADAR”

Project number	Projects	National targeted funding	National total costs	Person-month	Scientists and engineers
ADAR-1	To improve quality of food	248,828	736,328	65	9
ADAR-2	Optimization of Tillage in Organic Farming (ploughing, no - techniques)	297,686	882,686	78	14
ADAR-3	Low input straw cereals	69,386	301,886	31	4

1.2.3 Ministry of Research: Global “RARE program” (not totally devoted to organic farming)

Project number	Projects	National targeted funding	National total costs	Person-month	Scientists and engineers
RARE	Future trends for the organic market II	52,767	322,767	36	4

1.3 Regional Programmes 2000 – 2006

1.3.1 Pôle Bio Massif Central – Programme 2000-2006

Number	Projects
1	Forage system characteristics and evolutions in organic dairy cattle farms in Centre of France
2	Demonstration in organic calf and beef cattle finishing system in Limousin
3	Demonstration in organic meat sheep and beef cattle finishing system in dry area of South Centre of France
4	Technical and economical reference acquisition in beef cattle, dairy cattle and meat sheep organic systems
5	Experimental mixed crop-livestock farm in organic beef cattle system
6	In-farm research in organic meat sheep and beef cattle husbandry practices in Limousin
7	In-farm research in organic meat sheep and beef cattle husbandry practices in South Centre of France
8	Technical, economic, feeding and sanitary set of reference in organic dairy sheep production
9	Milk quality and livestock farming practices in organic farming
10	Grassland mechanical maintenance in organic farming
11	Permanent pasture organic fertilisation in organic farming
12	Organic high quality wheat and mixed cereals: crop management sequence, varieties, quality and yield evaluations
13	Varieties evaluation of mixed and forage cereals and protein-rich plants in organic farming
14	In-farm research in organic "crop science"
15	Coordination of organic farming system research in Centre of France

1.3.2 GRAB⁸ – Programme 2000-2006

Project Number	Projects
1	Improvement of soil structure: new tillage systems in organic vegetables
2	Soil management in orchards: e.g. weed control, green manuring.
3	New organic orchard management: semi-extensive orchards (e.g. low input, low density)
4	Improvement of organic tree nursery management
5	Evaluation of vegetable varieties suitable for organic farming (e.g. lettuce, tomatoes)
6	Evaluation of fruit varieties suitable for organic farming
7	Use of biocontrol agents in organic greenhouses and in orchards
8	Biocontrol of soilborne diseases and pests (Nematodes, Sclerotinia, ...) in organic vegetables and vines.
9	Study and evaluation of plant elicitors against diseases (e.g. mildew, blight)
10	Evaluation of plant extracts (including phytotherapy) to control pests (e.g. aphids, lepidoptera, pear midge) in vegetable production and orchards.
11	Control of gasteropodes in organic farming
12	Analysis and control of wood diseases (e.g. Esca...) in vines
13	Apple and pear scab control through orchard management (e.g. leaves removal)
14	Pear orchard management to control Monilia
15	Use of clay to control pests in orchards
16	Vole control in orchards
17	Fruit fly control in Mediterranean orchards
18	Mating disruption in orchards
19	Control of Scaphoideus / in vineyards
20	Control of post-harvest diseases (Monilia) on peach: antagonists and heat treatments
21	Improvement of soil fertility (e.g. green manuring)

⁸ Groupe de Recherche en Agriculture Biologique / Research Group on Organic Agriculture, (GRAB), F- 84 911 Avignon, <http://grab.agriculturebio.org/>

Project Number	Projects
22	Improvement of soil nutrition and organic fertilizer use in vegetable and fruit growing
23	Improvement of functional biodiversity in organic fields (e.g. flower strips, edges)
24	Effect of farming systems (organic, conventional) on biodiversity
25	Bioplastics and biodegradable mulches on organic vegetables
26	Regional organic fruit growing farm network
27	Organisation of organic congresses for farmers, technicians, researchers and other actors
28	Organisation of farmers' meetings
29	Teaching for students and farmers
30	Consulting for organic farming
31	Writing of books, technical leaflets for in organic farming