

Ministère de l'agriculture et de la pêche Direction des affaires financières et de la logistique

LA SITUATION DE L'ASSURANCE RECOLTE EN FRANCE

Crops insurances in France

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- Historique History
- Différents instruments pour différents risques
- Differents risks, differents tools
- Le système de protection AVANT les nouvelles assurances récolte multirisques climatiques multiproduits instituées en 2005
- Protection system BEFORE new climatic multiperil and multiproduct crops insurances instituted in 2005
 - Indemnisation publique / Public indemnification National guarantee fund for agricultural calamities
 - Assurances récolte pour quelques risques et quelques cultures / Crops insurances in 2002-2004, for few risks and few crops
- Assurances récolte multirisques climatiques multiproduits depuis 2005
- Multiperil and multiproduct crops insurances from 2005
 - Cultures et risques assurés / Guaranteed crops and risks
 - Diffusion, coûts publics / Diffusion, public costs
 - Les deux types de contrats / The 2 types of contracts
 - Perspectives / Outlooks



HISTORY

- •XVI° century : law for indemnity to cropers in case of natural disasters (financing by tax system)
- •XVII° century : service in charge of indemnification of losses due to fire, hail, frost, flood ... (financing by tax system and charity)
- •1850 : first professional fund for indemnification (but bankrupcy)
- •from 1900 to 1964 : development of hail insurance, some attempts to create a public indemnities fund, creation of loans with low rates for calamities (1948), local insurances for frost (low development)
- •1964 : « agricultural calamities law » : NGFAC, public indemnities to non insurable losses, and premiums subsidies to crops insurances (hail)
- •2002-2005 : first program of premiums subsidies to new crops insurances for other risks than hail : frost on vineyard or fruits, multiperil (except drought) on major crops (cereals, oilseeds ands peas)
- •2005 ... : new program of premiums subsidies to climatic multiperil and multiproduct crops insurances.³



DIFFERENT RISKS, DIFFERENT TOOLS

Damages to crops, perennial plantations, cattle outside, soils...



Damages to crops, perennial plantation, cattle



Damages to buildings and contents (cattle, stock...), to equipments...











<u>« Non insurable »</u> : public indemnities by the « National guarantee fund for agricultural calamities» (NGFAC, from 1964)

<u>« Insurable »</u> : private insurances, wit public subsidies to premiums for some insurances : hail on fruits and vegetables

Insurances with incomplete diffusion frost on fruits and vineyard, multiperi (premium subsidies)

Public indemnities with ad hoc subsidies, exceptional subsidies

Indemnities from <u>private insurances</u>, no public subsidy.

Indemnities from private insurances with <u>public guarantee</u>, for « natural disaster » (non-specific for agriculture) 4



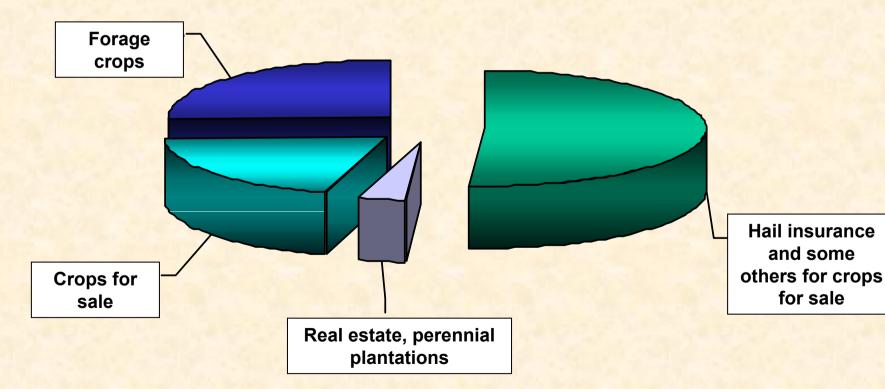
INDEMNIFICATION OF CROPS DAMAGES DUE TO CLIMATIC DISASTERS, BEFORE 2005

Indemnities amounts, long run average

PUBLIC INDEMNITIES : 168 M€ (1)

INSURANCE INDEMNITIES : 176 M€ (2)

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(1) About 30% of total loss, if loss > 27% of crop production value (42% for crops with CAP acreage subsidies) About 100% of loss less deductible



INSURANCES AND PUBLIC INDEMNIFICATION DAMAGES TO CROPS DUE TO CLIMATIC HAZARDS

<u>Without</u> subsidies to premiums		•	•Hail (and wind) insurances, for all crops <u>except</u> •Multiperil for tobacco (except drought)				
199		om 0 to 05	•Hail (and wind) insurances for <u>fruits and</u> <u>vegetables</u>				
With subsidies to premiums	from 2002 to 2005		 Hail and frost insurance for fruits Hail and frost insurance for vine Climatic multiperil (except drought) insurance for cereals, oilseeds and peas 				
		W, Ice 05	 Climatic multiperil insurance for all crops except forages 				
With national budget and taxes financing	from 1990 to 2005		Public indemnification system : all crops and farms, <u>except</u> : -for <u>hail (and wind) for all crops in all farms, insured or not</u> -for risks in <u>insured farms</u> for these risks	6			



NATIONAL GUARANTEE FUND FOR AGRICULTURAL CALAMITIES

Management by Agriculture Ministry

Sudget of agriculture ninistry

0 M€ / year, insurance ubsidies (2006)

3 M€ / year, public Idemnification

armers ontributions

axes on insurances of rm buildings & vehicles p.c. of premiums)

90 M€ / year

NGFAC

Indemnification of non fully insurable damages 173 M€ / year (average for 25 years)

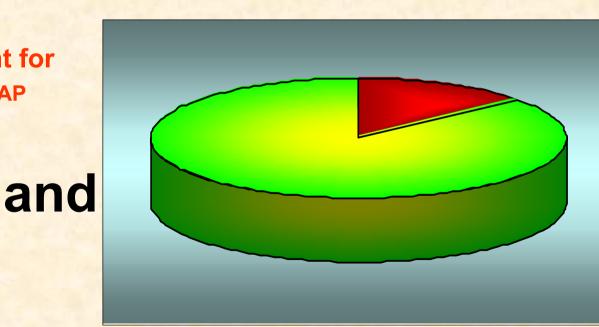
Premiums subsidies to <u>some crops</u> <u>insurances</u> 30 M€ / year (2006)



ACCES TO PUBLIC INDEMNITIES

Loss on the damaged crop > 27 p. cent normal yeld (47 p.cent for major crops with former CAP acreage subsidies)

Losses on all damaged crops > 14 p. cent of farm normal product value

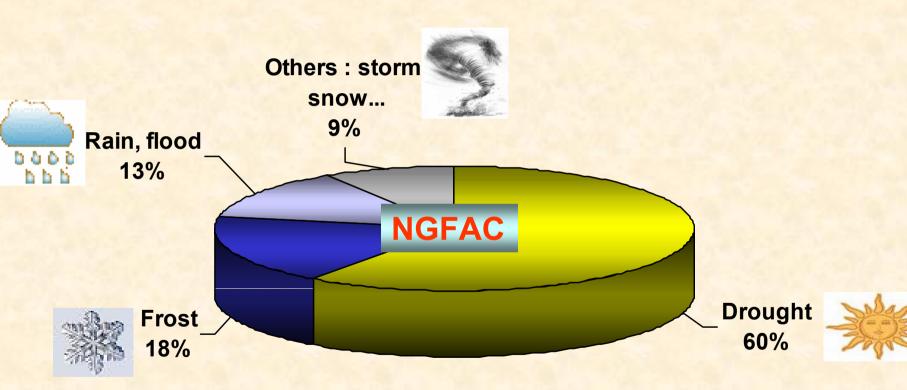


Indemnity rate : about 30%



CROPS DAMAGES PUBLIC INDEMNITIES ACCORDING TO TYPE OF DISASTER

Per cent of total long run average amount

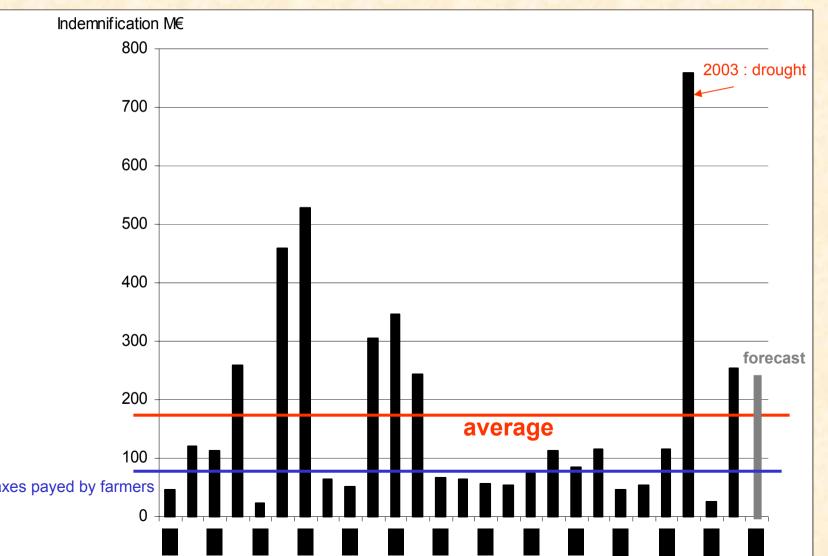




CROPS DAMAGES PUBLIC INDEMNITIES BY YEAR OF OCCURRENCE

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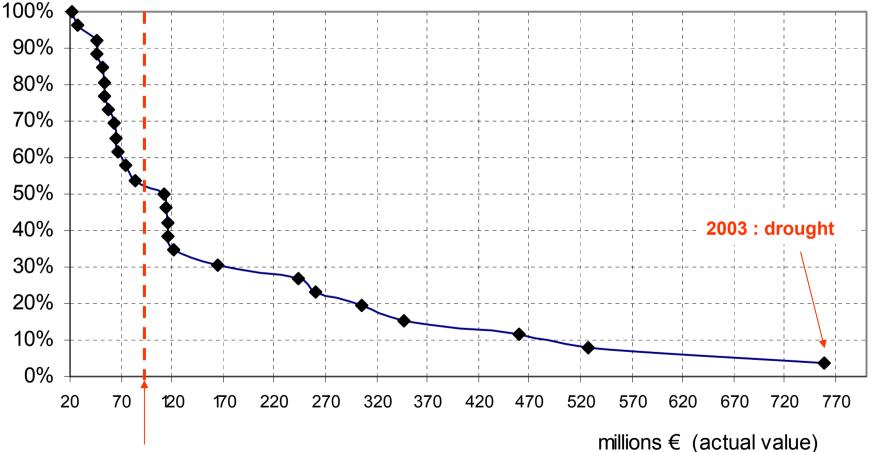
From 1980 to 2006, actual constant M€





CUMULATIVE DISTRIBUTION OF ANNUAL COSTS FOR CROPS DAMAGES PUBLIC INDEMNITIES

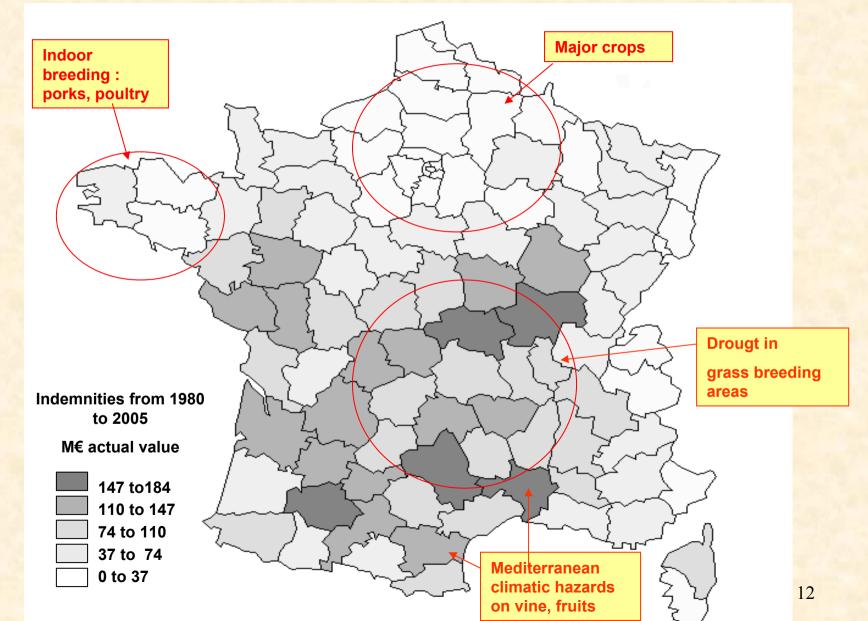
1980-2005



Tax from farmers, annual amount 90 M€



GEOGRAPHY OF CROPS DAMAGES PUBLIC INDEMNITIES



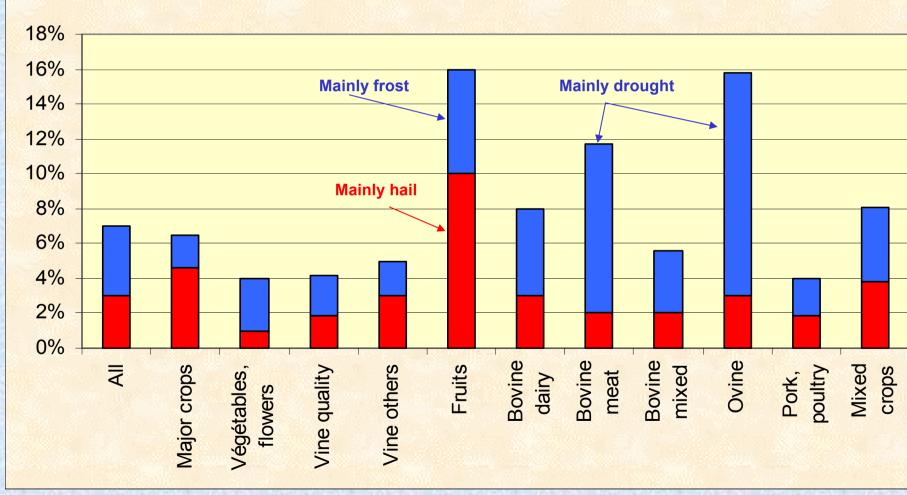


AVERAGE WEIGHT OF INDEMNITIES IN THE NET INCOME YEAR 2004

Insurance and public indemnities / net income (branch average). FADN

Insurance indemnities

Public indemnities





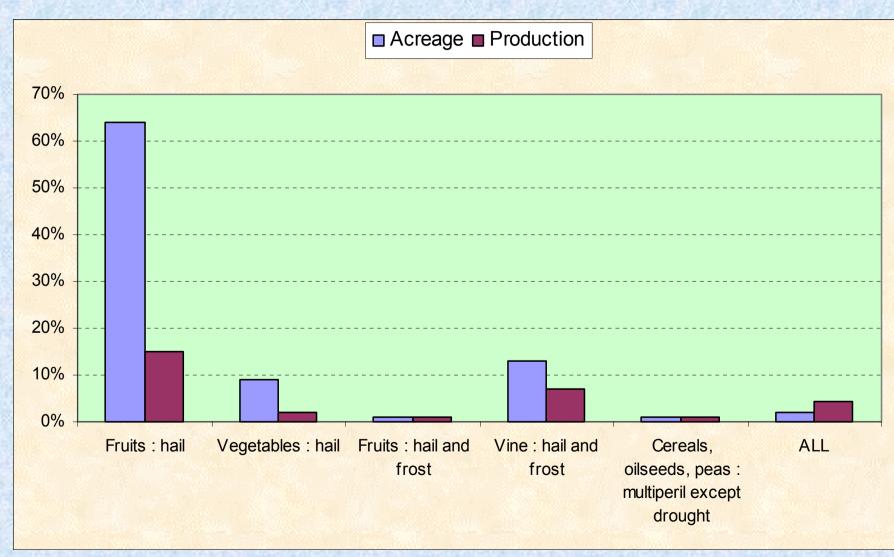
MAIN CROPS INSURANCES 2002-2004

RÉPUBLIQUE FRANÇAISE	and the second	1000000	5 10 10 m	STOP TO THE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1
	چچچ HAIL	HAIL & FROST	BAD	FLOOD	STORM	DROUGHT
Notes	Hail insurances, all	Restricted ex climatic mul for c		pt drought)	insurance	
	crops. Subsidies for fruits and vegetable until 2005	Some regions hail & frost insurances for vine and fruits. Subsidies				
		2002-2005				
		Tobacco mu	ultiperil ins	urance		



SUBSIDIZED CROPS INSURANCES IN 2005 : OLD PROGRAM

Weight of insured different crops in national acreage, product value, in total subsidized premiums





MAIN CROPS INSURANCES IN 2005

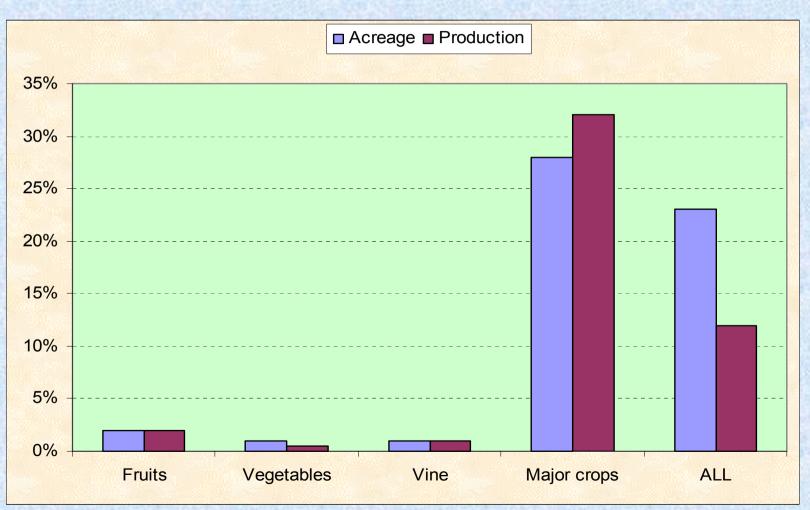
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	HAIL	HAIL & FROST	B B B B B B B B B B B B B B B B B B B	FLOOD	STORM	DROUGHT
N/Z	Hail insurances, all	Restricted ex		bsidies in 200 drought) insu Is and peas		
	crops. Subsidies for fruits and vegetable until 2005	Some regions hail & frost insurances for vine and fruits. Subsidies 2002-2005	crops 60 000	New multiperil multiproduct crops insurances, from 2005 : 60 000 contracts, 20 p.c. of c professional » farms		
	Tobacco multiperil insurance					

Sec.



NEW CLIMATIC MULTIPERIL MULTIPRODUCT CROPS INSURANCES SUBSIDIZED IN 2005

Weight of different insured crops in national acreage and product value





PREMIUMS SUBSIDIES RATES IN 2005 per cent of premiums

	General	Young	
	case	farmers	
« OLD » PROGRAM :			
Hail on fruits and vegetables	7,5%	10%	
2002-2005 PROGRAM :			
Hail and frost on fruits	25%	34%	
Hail and frost on vine	10%	14%	
Climatic multiperil on cereals, oilseeds and peas	10%	14%	
« NEW » PROGRAM (2005 – 2) :			
Climatic multiperil on all crops except forage	35%	40%	



PREMIUMS SUBSIDIES ALLOCATION IN 2005

Provisional amount : 21 M€

	« Old » program	Program 2002-2005		« New » program 2005 – 2	ALL
	Hail Fruits and vegetables	Hail + frost fruits and vine	Multiperil Cereals, oilseeds, peas	Multiperil All crops except forage	
Fruits	9%	2%		4%	15%
Vegetables	1%	3		3	1%
Vine		5%		2%	7%
Major crops			٤	77%	77%
ALL	10%	8%		82%	100%
					10



THE 2 TYPES OF MULTIPERIL CONTRACTS Example

Crop 1	Crop 2	All farm
1 000 €	3 000 €	4 000 €
250 €	750 €	1 000 €
700 €	3 500 €	4 200 €
- 300	+ 500 €	200 €
50 €	0 €	
		50 €
Crop 1	Crop 2	All farm
1 000 €	3 000 €	4 000 €
200 €	600 €	800 €
700 €	3 500 €	4 200 €
- 300	+ 500 €	200 €
		0€
	1 000 € 250 € 700 € - 300 50 € Crop 1 1 000 € 200 € 700 €	1 000 € 3 000 € 250 € 750 € 250 € 750 € 700 € 3 500 € - 300 + 500 € 50 € 0 € Crop 1 Crop 2 1 000 € 3 000 € 200 € 600 € 700 € 3 500 €

* : based on individual average yeld of the last 3 or 5 years



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OUTLOOKS

- Public expenditure development
 - ... depends on premium subsidies rates
 - …depends on insurance diffusion :
 - Only on crops for sale
 - Expansion on forage crops
- Insurance system coexistence with public indemnification system
 - Public indemnification for non-insured damages during ascent phase of insurance development
 - Reduction of public indemnity rates
- Reinsurance problem (private or private + public)
- Premiums subsidies modulation



PREMIUMS SUBSIDIES COSTS FORECAST

CROPS FOR SALE	Insured value = National production value 2005	Average premium rate Premium / insured value (estimate)	Premiums amount	Subsidies rate ~35% Full diffusion	Subsidies rate ~35% 70 p.c. diffusion
Fruits	2 290	8%	183	64	45
Vegetables, flowers	5 625	3%	169	59	41
Vine	7 846	2%	157	55	38
Major crops	9 277	2%	186	65	45
Total crops for sale	25 038		684	243	170

FORAGES	5 800	2,24%	130	46	32
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CONCLUSION, OUTLOOK

- 2005 : change in the design of crops insurances : from « one climatic risk - one crop » insurances to climatic « multiperil multiproduct » crops insurances
- Questions about crops insurance development :
 - Public indemnification decrease management
 - Permanent or temporary subsidies ?
 - Expansion on forages
 - Reinssurance
 - Budgetary constraints and choices
 - European cofinancing outlooks