



Quality inspection of fruit and vegetables in Hungary

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Topics

- Difficulties of establishing an inspection service
- History
- Present situation
 - Legislation
 - Figures
 - Risk analysis
 - Fees and fines
- Simplification
- Future thoughts



Quality

- „The totality of **features and characteristics** of a product, process or service that bear on its **ability to satisfy stated or implied needs** as broadly defined in ISO 9000:2000
 - No quality without safety
 - Quality is MORE than safety.
 - Commercial quality is a set of parameters describing internal and external characteristics of the produce, which are necessary to ensure transparency in trade and good eating quality.”

(Quoted from last year UN/ECE presentation)



Quality

the great integrator

- Variety (law, description)
- Plant protection (diagnosis, phytosanitary, residue issues)
- Plant growing technology
- Storage, packing, transport
- Statistics, marketing
- Some knowledge of food processing
- Food safety
- Inspection methodology
- IT knowledge



Factors taken into consideration



- Eaten part - variability (root, leaf, fruit, blossom)
- Unequal production of the regions
- Very different volume of deliveries of operators
- Huge possible difference between the subsequent years
- Seasonality,
- Possibility in EU enlargement,
- Similar needs of the non-EU members,
- Expanding list of products subject to standards (2200/96 EC annex I)
- Financial possibilities,
- And the influence of all these parameters on the feasibility



Step by step development

I.

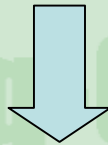
- 1993 Application for recognition by the EU
- 1994 Introducing the compulsory export inspection for consignments delivered to EU member states
- 1996 Answering EU questionnaires
- 1998 Screening
 - PO's
 - Further development of the quality inspection
- 2000 Introducing compulsory import and domestic inspections



Step by step development

II.

2001 Submitting data on inspection required by the Commission



As a follow up recognition by the EU of the inspection organization (first ever)

2003 Compulsory export inspection to all directions

2005 Reorganization of the inspection service into the institutional frame of the plant protection



Present situation

- The 'Fruit and Vegetables Quality Inspection Service' is operating in the institutional frame of the plant protection administration.



Present situation- The quality inspection service is organized on three levels:



**National supervisor
at MARD
Department of Plant Protection and Soil
Conservation**

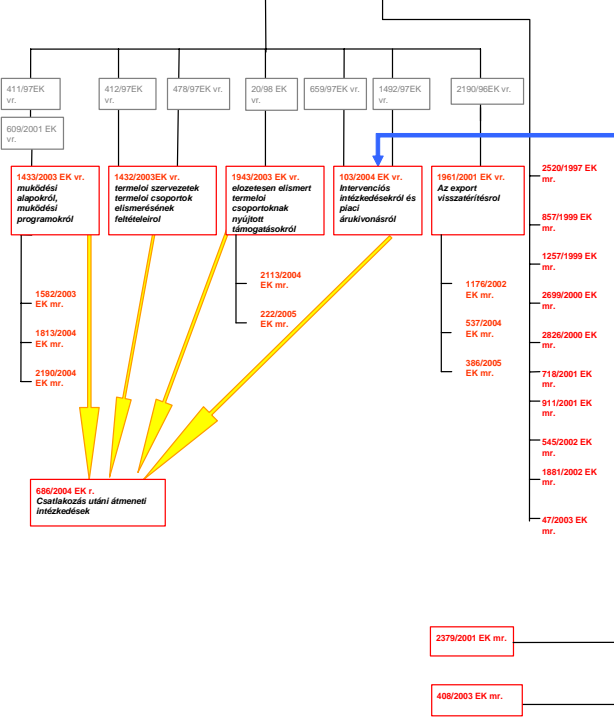
**Co-ordination Centre for Quality
Inspection of Fruit and Vegetables at
Central Service for Plant Protection and Soil
Conservation**

**Fruit and vegetables inspectors at
County Services for Plant Protection and Soil
Conservation**

**2200/96 EK rendelet
A gyümölcs és zöldségpiac
szervezéséről**

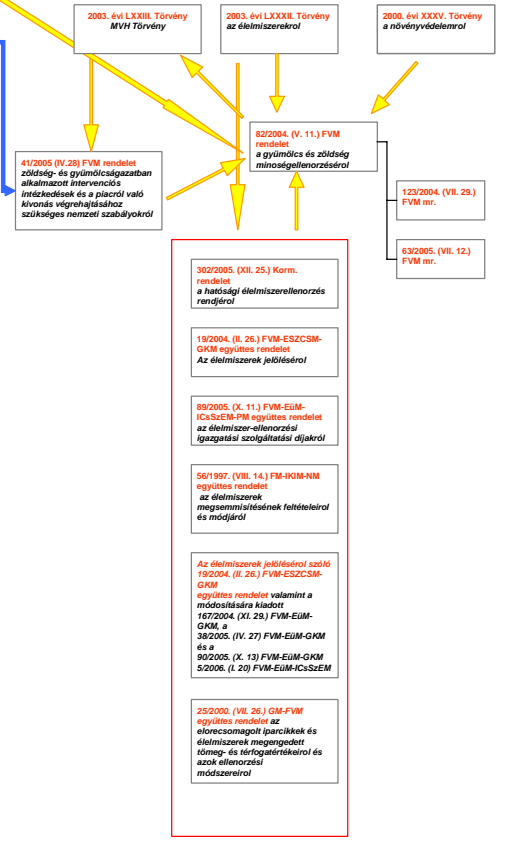
**1148/2001 EK rendelet
A gyümölcs és zöldség
ellenőrzéséről**

**A zöldség-gyümölcs minőség-
ellenőrzés magyar jogszabályi
háttér**



Forgalmazási minőség szabványok

Gyümölcs		Zöldség	
Alma 920/88/EGK r. 1819/2001 EK r. 85/2004 EK r. 1236/2005 EK nr.	Körte 920/88/EGK r. 1819/2001 EK r. 86/2004 EK r.	Articsóka 58/82/EGK r. 983/89 EK r. 1466/2003 EK r.	Paradicsom 77/80/EGK r. 780/2000 EK r. 717/2001 EK nr.
Banán 2257/94 EK r. 1135/96 EK nr. 386/97 EK nr. 228/2006 EK nr.	Citrusok 920/88/EGK r. 1799/2001 EK r. 453/2002 EK nr. 2010/2002 EK nr. 2173/2003 EK nr.	Avokádó 831/97 EK r. 1167/99 EK nr. 387/2005 EK nr.	Paraj 1891/87/EGK r. 888/97 EK nr. 386/2005 EK nr.
Cserecsznye, meggy 989/97/EGK r. 214/2004 EK r.	Csüsköztető és kelkáposzta 1591/87/EGK r. 888/97 EK nr. 1135/2001 EK nr. 386/2005 EK nr.	Bimbós kelt 1591/87/EGK r. 888/97 EK nr. 386/2005 EK nr.	Pöréghagyma 1590/81/EGK r. 2396/2001 EK r.
Héjas dió 175/2001 EK r. 89/2003 EK nr.	Cserecsznye, meggy 989/97/EGK r. 214/2004 EK r.	Cukkini 2328/81/EGK r. 1757/2003 EK r.	Sárgadinnye 1193/87/EGK r. 1615/2001 EK r.
Héjas mogyoró 1284/2002 EK r.	Héjas dió 175/2001 EK r. 89/2003 EK nr.	Ékezesi paprika 79/88/EGK r. 1455/1999 EK r. 2706/2000 EK nr. 2147/2002 EK nr.	Sárgarépa 79/88/EGK r. 1455/1999 EK r. 730/1999 EK r.
Kajszli 1108/91/EGK r. 851/2000 EK r.	Héjas mogyoró 1284/2002 EK r.	Fejtes saláta, fodoros endívia saláta, széleslevelű endívia saláta 79/88/EGK r. 1543/2001 EK r.	Szparpa 154/92/EGK r. 2377/89 EK r. 1050/2005 EK nr.
Kivi 410/80/EGK r. 1673/2004 EK r.	Kajszli 1108/91/EGK r. 851/2000 EK r.	Fejeskáposzta és kelkáposzta 1591/87/EGK r. 888/97 EK nr. 1135/2001 EK nr. 386/2005 EK nr.	Termesztett csiperkegomba 1893/2003 EK r. 1863/2004 EK r.
Oszibarack, nektarin 3588/90/EGK r. 2335/1999 EK r. 1861/2004 EK r.	Kivi 410/80/EGK r. 1673/2004 EK r.	Fokhagyma 1085/EGK r. 2288/97 EK r.	Tojásgyümölcs 1282/81/EGK r. 888/97 EK nr. 1135/2001 EK nr.
Szamóca 898/87/EGK r. 888/97 EK nr. 843/2000 EK r.	Oszibarack, nektarin 3588/90/EGK r. 2335/1999 EK r. 1861/2004 EK r.	Görögdinnye 1093/97 EK r. 1862/2004 EK r.	Übörka 1677/86/EGK r. 888/97 EK nr. 386/2005 EK nr.
Szilva 1591/87/EGK r. 1168/1999 EK r. 848/2000 EK r. 537/2003 EK r. 378/2005 EK nr.	Szilva 1591/87/EGK r. 1168/1999 EK r. 848/2000 EK r. 537/2003 EK r. 378/2005 EK nr.	Hajtsolt cikória 2213/83/EGK r. 1872/91/EGK nr. 888/97 EK nr.	Vöröshagyma 2213/83/EGK r. 1506/2001 EK r. 1465/2003 EK nr.
		Hávirányító zeller 1891/87/EGK r. 386/2005 EK nr.	Zöldbab 588/82/EGK r. 912/2001 EK r.
		Karfiol 2342/EGK r. 963/88/EGK r. 2551/1989 EK r. 1135/2001 EK nr.	Zöldborsó 588/82/EGK r. 2551/1989 EK r. 532/2001 EK nr.
		46/2003 EK nr. 48/2003 EK nr. 907/2004 EK nr.	



A zöldségek és gyümölcsök minőségét a növényvédelmi igazgatás szervezetének keretében működő **Zöldség-Gyümölcs Minőség-ellenőrzési Szolgálat** ellenőrzi.

Elismert harmadik országok

2590/2001 EK r.	Svájc
606/2002 EK r.	Izrael
1791/2002 EK r.	Marokkó
2103/2002 EK r.	Dél-Afrika
761/2003 EK r.	India
430/2006 EK r.	Szenegál
431/2006 EK r.	Kenya

Jelmagyarázat

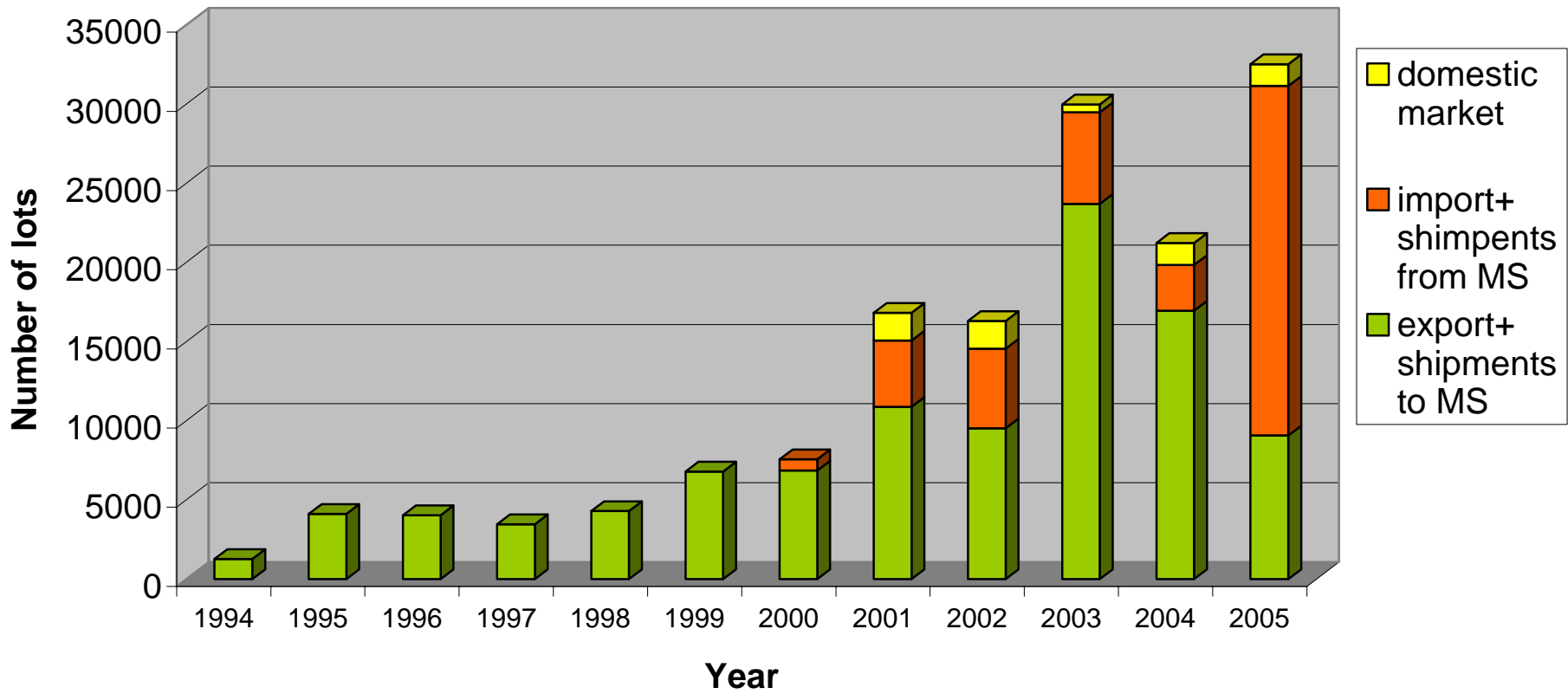
Piros szín = hatályos rendelet
Szürke szín = hatályon kívül helyezve
r. = rendelet
nr. = módosító rendelet
vr. = végrehajtási rendelet



Figures



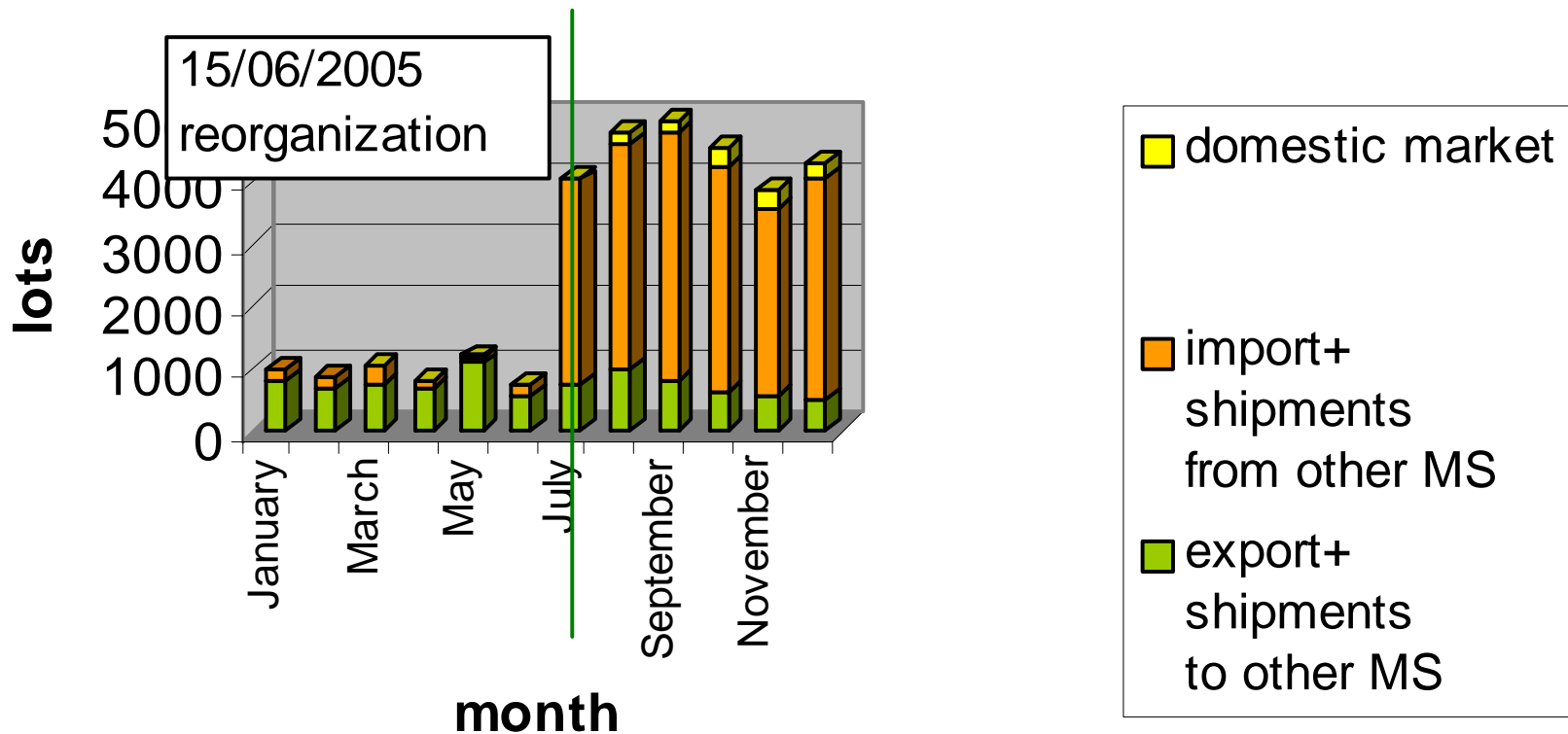
Fruit and vegetable lots inspected on domestic market, at export and import stage (including shipments to and from MS) (1994-2005)





Figures

Inspected fruit and vegetable lots (Hungary, 2005)





Calculation of the risk

$$R = 100 - (0,13 \times S_1 \times S_2 \times S_3 \times (S_4 + S_5 + S_6))$$

Frequency of inspection is calculated based on the value of the Risk factor whereas S is safety.

Value of R	Frequency
R=0-40	24 month
R=41-60	12 month
R=61-80	6 month
R=81-99	3 month
R=100	Stays on the list of operators to be inspected



Factors of the risk assessment and their explanation

Main factors					Other factors					
S1		S2		S3		S4		S5		S6
Position in the marketing chain		Evaluation of the last inspection event		Bonus based on results of the last inspections		Evaluation based on the marketed volume		Evaluation based on area covered		Evaluation of the quality assurance system
Shops also selling f&v (E)	4	No action has been taken	4	Produce conform to the standard at the last 3 inspections	4	Some marketed produce in small quantity	4	Local level	4	Employs staff regularly educated in this field
F & v shops (D)	3	NC regards labelling	3	Produce conform to the standard at the last 2 inspections	3	Some produce	3	City level	3	Applies elements of quality assurance system
Supermarkets with central distribution (C)	2	Action: downgrading	2	Produce conform at the last inspection	2	Several products, marketed continuously in small volume	2	County or capital level	2	The operator takes part actively in the correction of the NC
Hypermarkets (B)	1	Action: produce outgraded	1	No action has been taken at the last inspection	1	One product marketed in great volume	1	Country level	1	Lacks information regarding quality requirements
Wholesalers, PO's (A)	0	Action: more products have been found out of grade	0	Consumer's reclaim since the last inspection	0	Several products marketed continuously in great volume	0	International level	0	Relation to quality issues has to be improved



F&V inspection database



Inspection certificate

Non-conformity report for domestic market

Non-conformity report for export or import

Processing certificate

Resolution

Registration of a new operator



Fees

- Fees are applicable at:
 - Export inspection (including issuance of the conformity certificate)
 - Import inspection (including issuance of the conformity certificate)
 - In case of non-conformity in domestic inspection (when fine is imposed)
 - In domestic inspection done on request



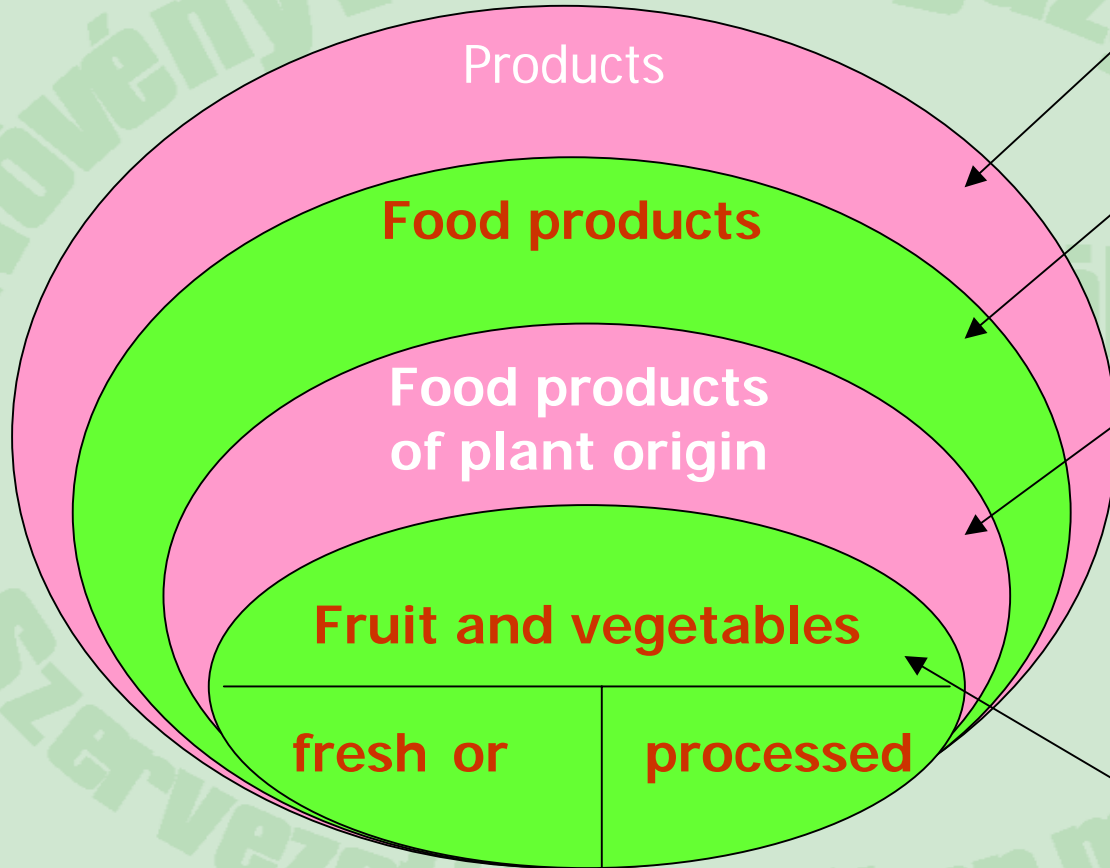
Fines

- Shall be imposed in case of non-conformity of the product on domestic market
- It is ruled in the food law (3 cases):
 - Food safety problem
 - Quality problem
 - Labelling problem



How to consider fruits and vegetables?

Rules from general



General rules (commercial, etc.)

Food regulation (safety, labeling, etc.)

Phytosanitary measures

Common market regulations

- Community aid
- Marketing standards

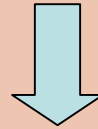
to special



Simplification I.



Simplifying complicated situations



More but simple standards

as it's said in reg. 2200/96 EC preamble (4)
'Whereas it would be desirable, for reasons of simplicity, to adopt standards for fruit and vegetables having a relatively large impact on the market...'



Simplification II.

Strengthening uniform application of Community rules

Results:

- Equal inspection pressure would facilitate trade and
- At the same time more effective protection of consumers' interest



Future Rules and practice

A control system is:

able to work under any circumstances
(belonging to any institution) but

the most important condition of well
working is:

a professionally independent inspection body
(controlled on common level)



Thank you for your attention

Zöldség-Gyümölcs

Minőségellenőrző

Szolgálat

Szervezeti keretében működő