## **Supplementary Information**

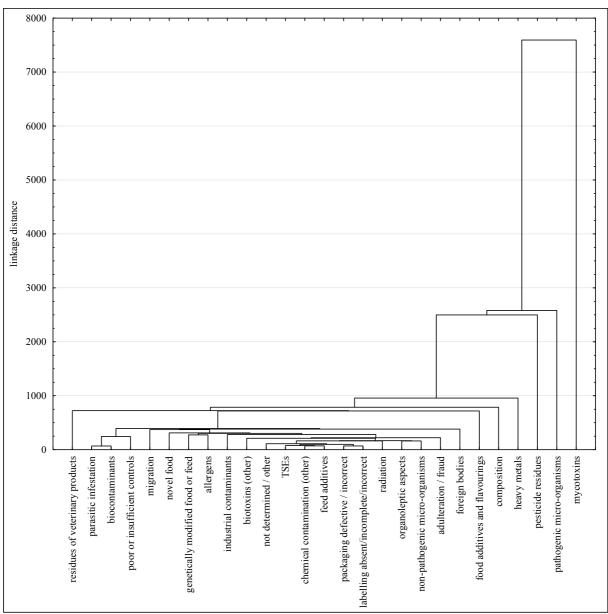


FIGURE S1 Similarities between notifications within product categories and hazard categories.

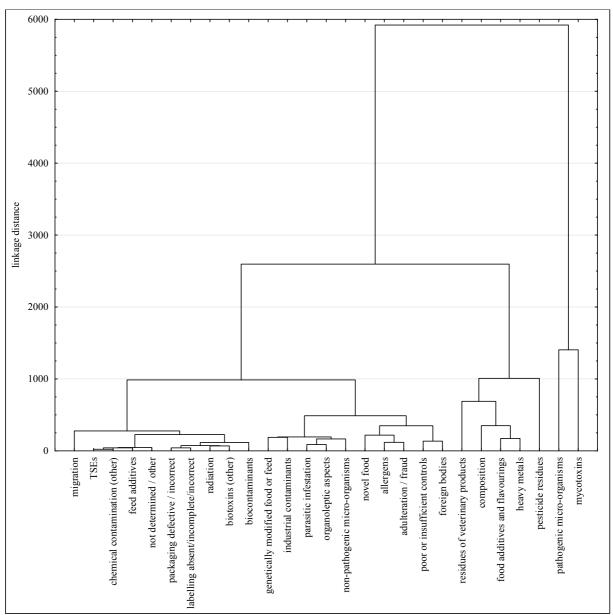


FIGURE S2 Similarities between notifications within years and hazard categories.

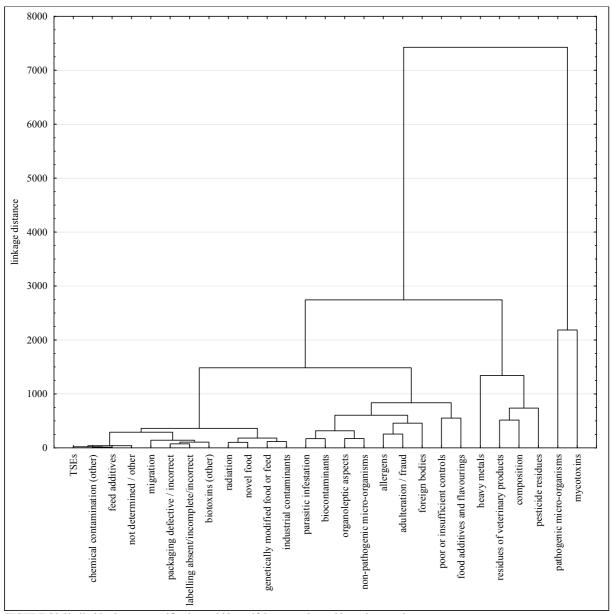


FIGURE S3 Similarities between notifications within notifying countries and hazard categories.

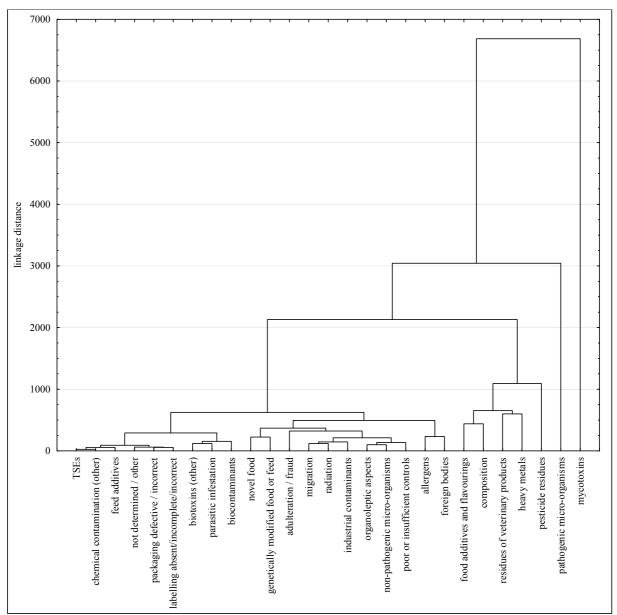


FIGURE S4 Similarities between notifications within origin countries and hazard categories.

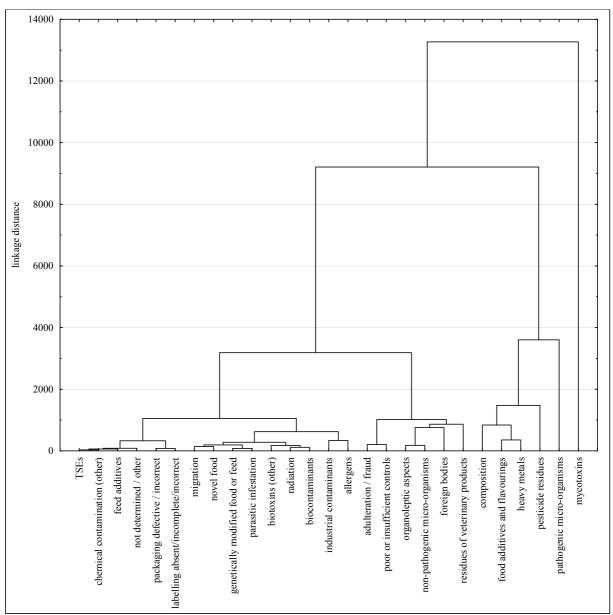


FIGURE S5 Similarities between notifications within notification basis and hazard categories.

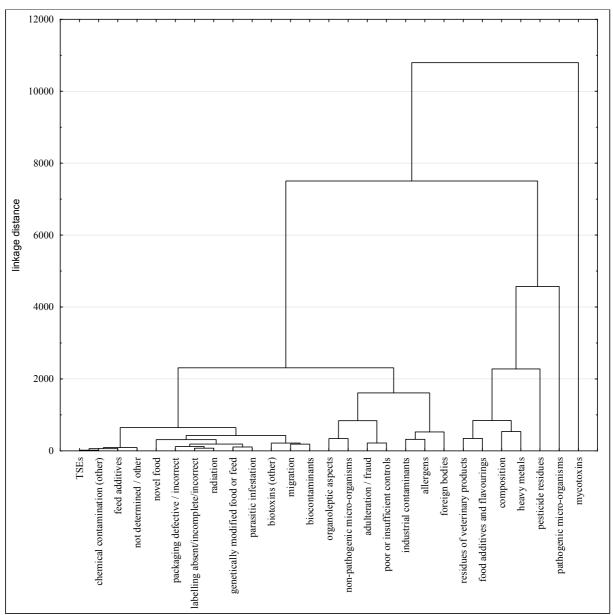


FIGURE S6 Similarities between notifications within notification type and hazard categories.

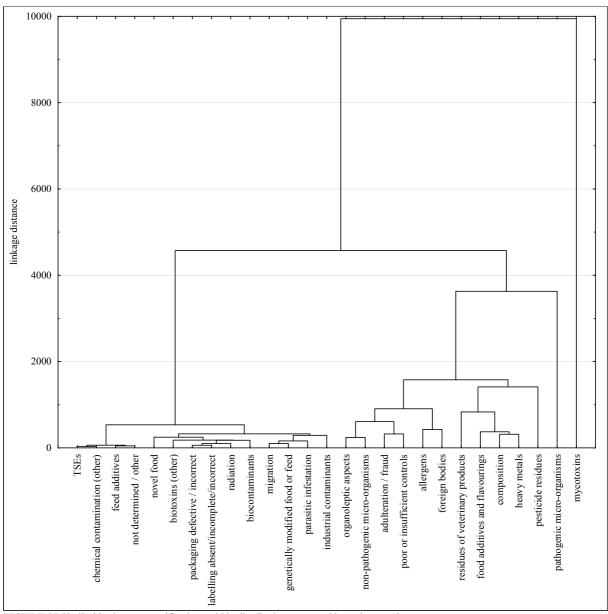


FIGURE S7 Similarities between notifications within distribution status and hazard categories.

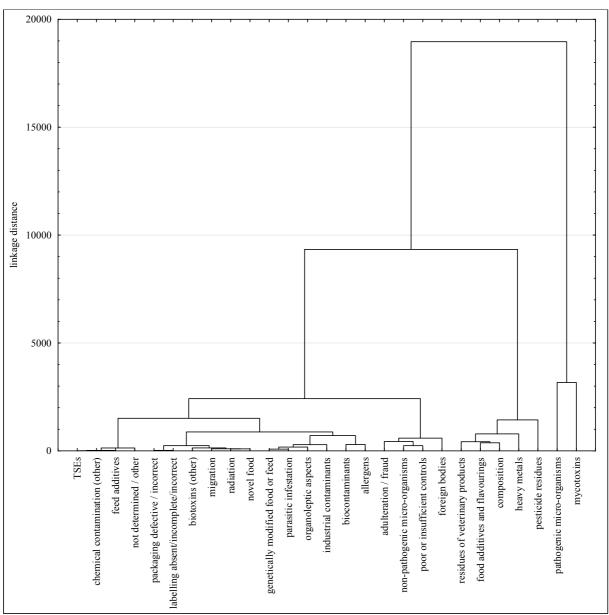


FIGURE S8 Similarities between notifications within risk decision and hazard categories.

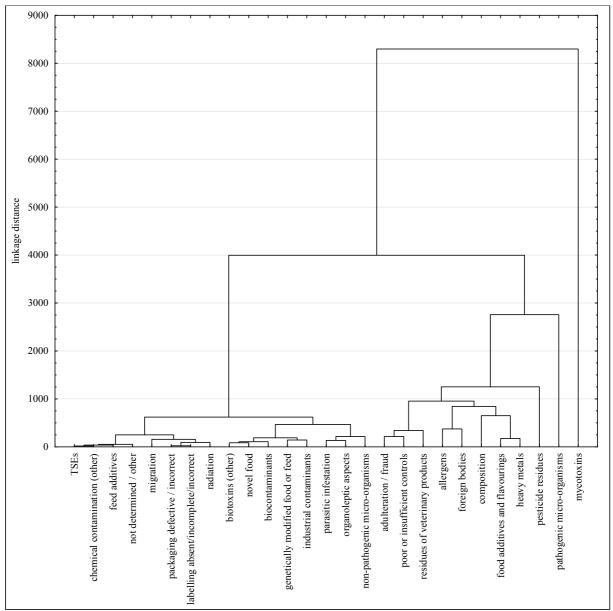
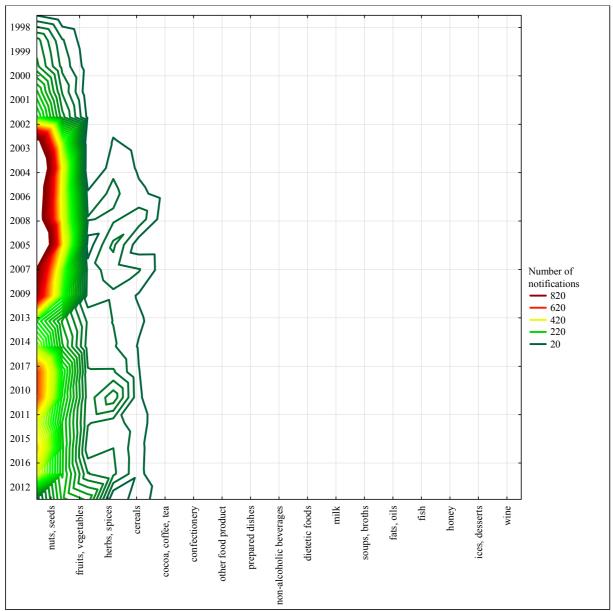


FIGURE S9 Similarities between notifications within action taken and hazard categories.



cereals – cereals and bakery products

cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea

dietetic foods – dietetic foods, food supplements, fortified foods

fats, oils – fats and oils

fish - fish and fish products

fruits, vegetables - fruits and vegetables

herbs, spices – herbs and spices honey – honey and royal jelly

ices, desserts - ices and desserts

milk - milk and milk products

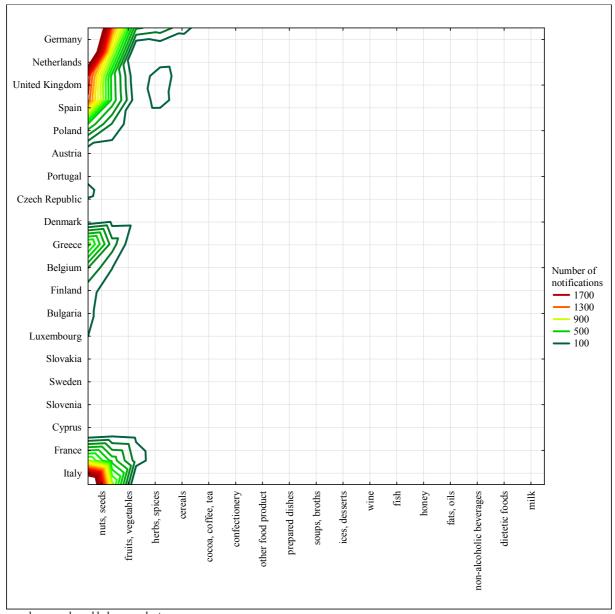
nuts, seeds – nuts, nut products and seeds

other food product - other food product / mixed

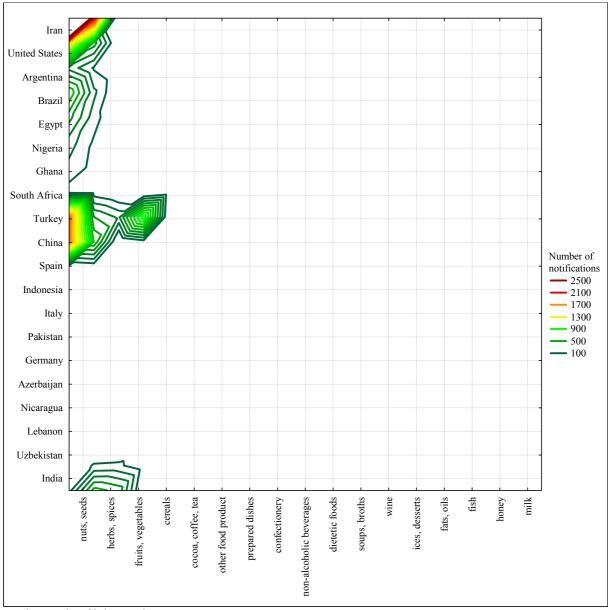
prepared dishes - prepared dishes and snacks

soups, broths – soups, broths, sauces and condiments

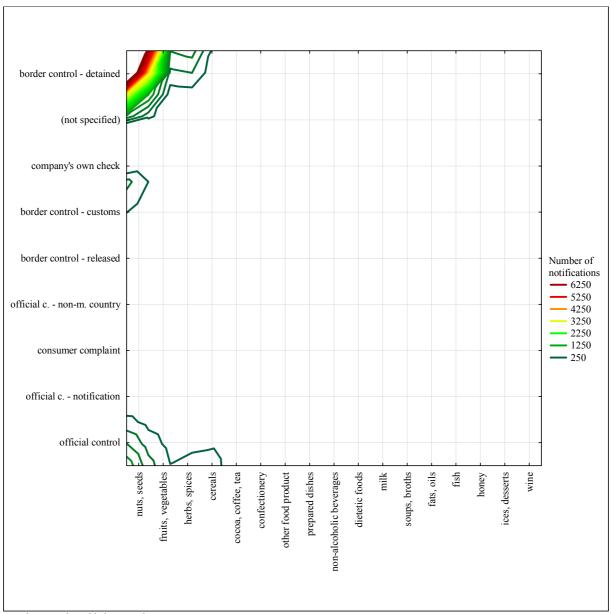
FIGURE S10 Similarities between product category and year within notifications on mycotoxins.



 $\textbf{FIGURE S11} \ Similarities \ between \ product \ category \ and \ notifying \ country \ within \ notifications \ on \ mycotoxins.$ 



 $\textbf{FIGURE S12} \ \text{Similarities between product category and origin country within notifications on mycotoxins.}$ 



border control - customs – border control - consignment under customs border control - detained – border control - consignment detained border control - released – border control - consignment released official c. - non-m. country – official control in non-member country official c. - notification – official control following RASFF notification official control – official control on the market

FIGURE S13 Similarities between product category and notification basis within notifications on mycotoxins.

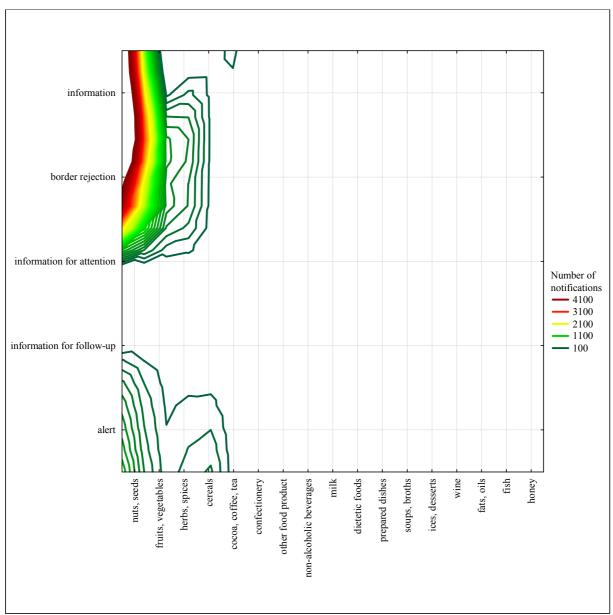
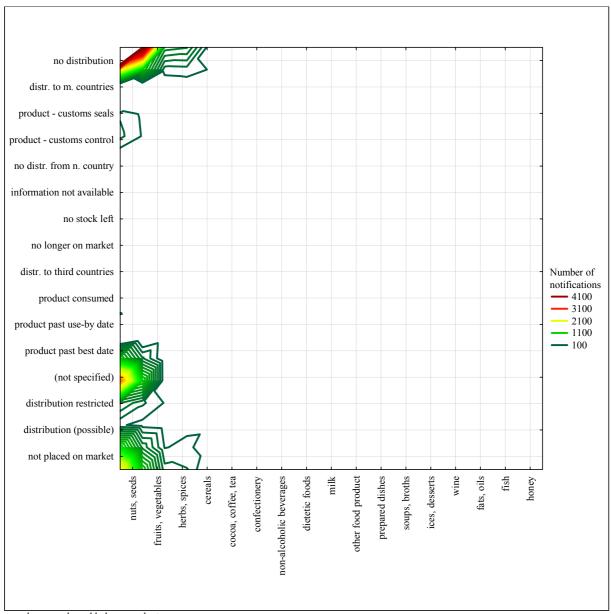
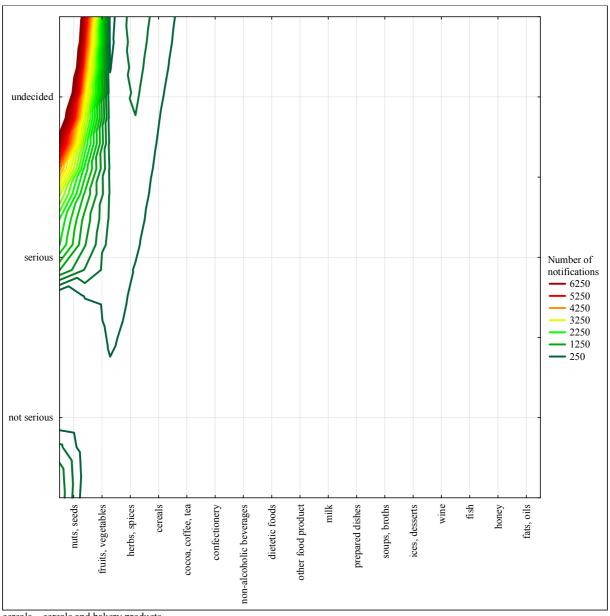


FIGURE \$14 Similarities between product category and notification type within notifications on mycotoxins.



distr. to m. countries – distribution to other member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country information not available – information on distribution not (yet) available no distr. from n. country – no distribution from notifying country no longer on market – product (presumably) no longer on the market not placed on market – product not (yet) placed on the market product - customs control – product under customs control product - customs seals – product allowed to travel to destination under customs seals product consumed – product past best date – product past best before date

FIGURE S15 Similarities between product category and distribution status within notifications on mycotoxins.



cereals – cereals and bakery products

cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods

fats, oils – fats and oils

fish - fish and fish products

fruits, vegetables - fruits and vegetables

herbs, spices – herbs and spices

honey – honey and royal jelly

ices, desserts - ices and desserts

milk - milk and milk products

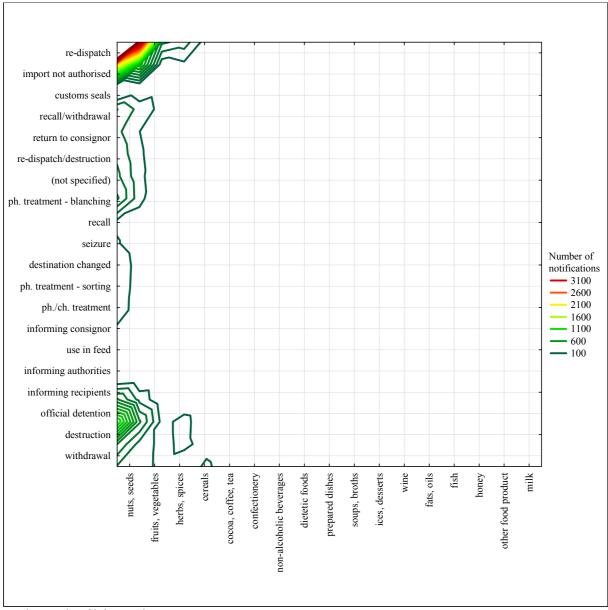
nuts, seeds – nuts, nut products and seeds

other food product – other food product / mixed

prepared dishes – prepared dishes and snacks

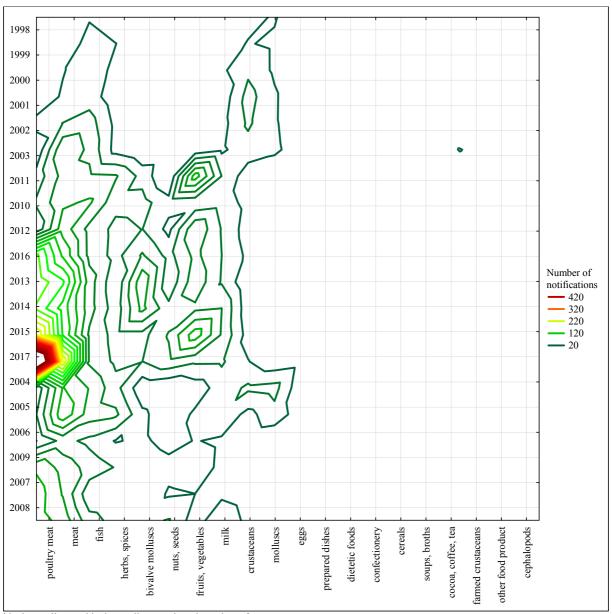
soups, broths – soups, broths, sauces and condiments

FIGURE S16 Similarities between product category and risk decision within notifications on mycotoxins.



customs seals – placed under customs seals destination changed – destination of the product changed ph. treatment - blanching – physical treatment - blanching ph. treatment - sorting – physical treatment - sorting ph./ch. treatment – physical/chemical treatment recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market

FIGURE S17 Similarities between product category and action taken within notifications on mycotoxins.



bivalve molluscs - bivalve molluscs and products thereof

cephalopods - cephalopods and products thereof

cereals – cereals and bakery products

cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea

crustaceans - crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs - eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

fish - fish and fish products

fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices

meat – meat and meat products (other than poultry)

milk - milk and milk products

molluses – molluses and products thereof - (obsolete)

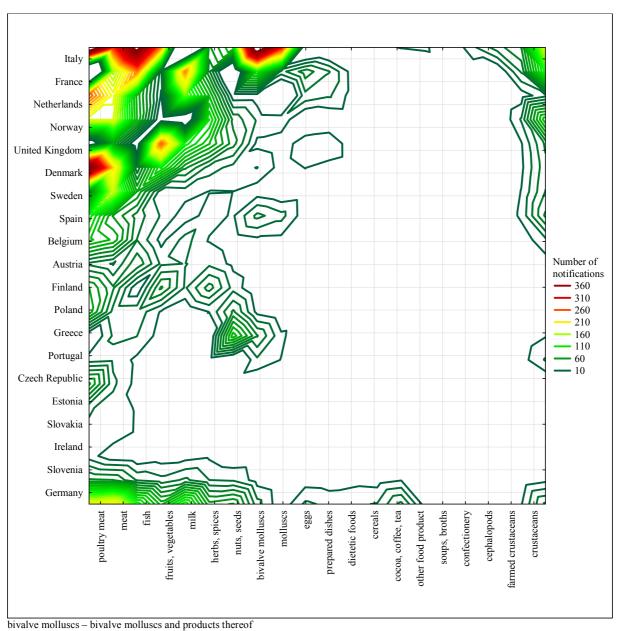
 $nuts,\,seeds\,nuts,\,nut\,\,products\,\,and\,\,seeds$ 

other food product – other food product / mixed

poultry meat – poultry meat and poultry meat products

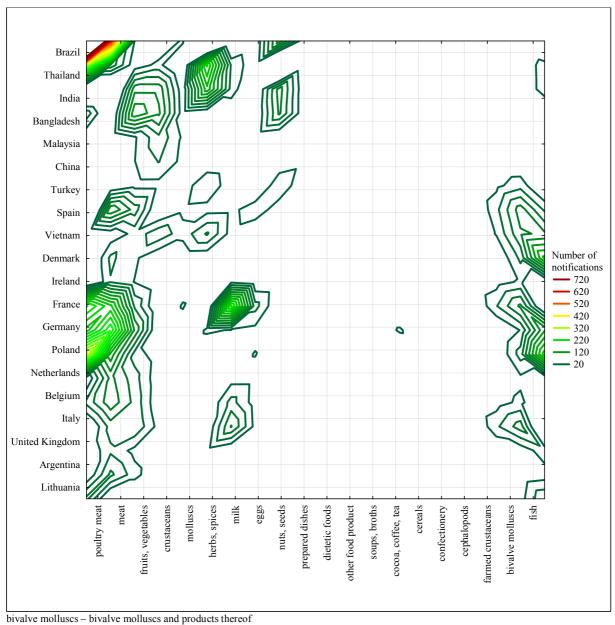
prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

FIGURE S18 Similarities between product category and year within notifications on pathogenic micro-organisms.



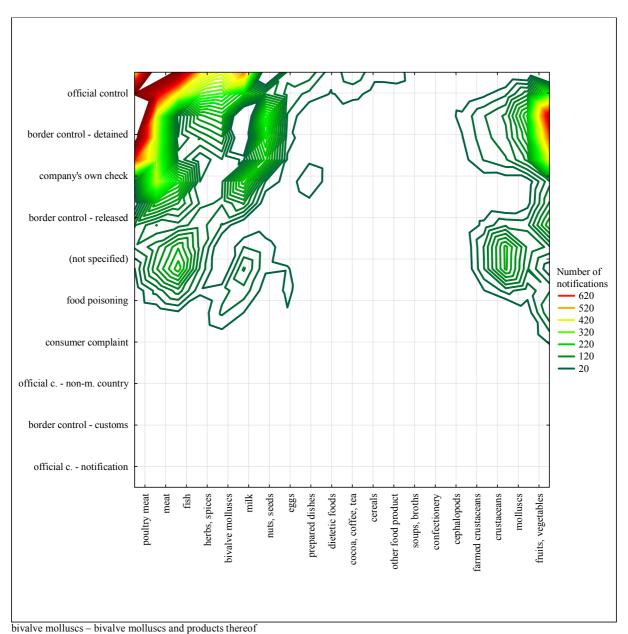
cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs - eggs and egg products farmed crustaceans – farmed crustaceans and products thereof - (obsolete) fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) milk - milk and milk products molluscs - molluscs and products thereof - (obsolete) nuts, seeds nuts, nut products and seeds  $% \left( 1\right) =\left( 1\right) \left( 1\right$ other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

FIGURE S19 Similarities between product category and notifying country within notifications on pathogenic micro-organisms.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs - eggs and egg products farmed crustaceans – farmed crustaceans and products thereof - (obsolete) fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) milk - milk and milk products molluscs - molluscs and products thereof - (obsolete) nuts, seeds nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

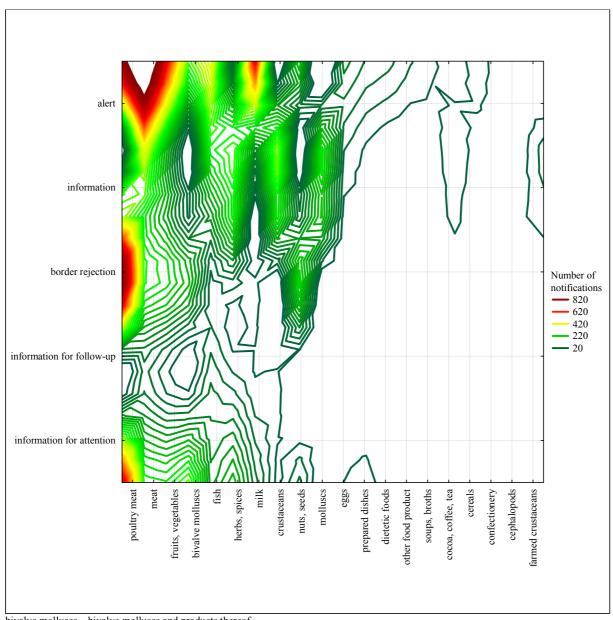
FIGURE S20 Similarities between product category and origin country within notifications on pathogenic micro-organisms.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs – eggs and egg products farmed crustaceans – farmed crustaceans and products thereof - (obsolete) fish – fish and fish products fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices  $meat-meat \ and \ meat \ products \ (other \ than \ poultry)$ milk - milk and milk products molluses – molluses and products thereof - (obsolete) nuts, seeds nuts, nut products and seeds other food product - other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

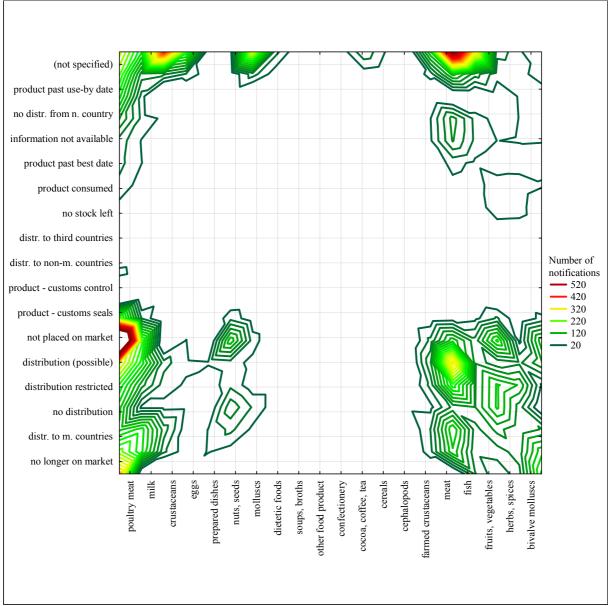
border control - customs – border control - consignment under customs border control - detained – border control - consignment detained border control - released – border control - consignment released official c. - non-m. country – official control in non-member country official c. - notification – official control following RASFF notification official control – official control on the market

FIGURE S21 Similarities between product category and notification basis within notifications on pathogenic micro-organisms.



bivalve molluscs - bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs - eggs and egg products farmed crustaceans – farmed crustaceans and products thereof - (obsolete) fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) milk - milk and milk products molluses – molluses and products thereof - (obsolete) nuts, seeds nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

FIGURE S22 Similarities between product category and notification type within notifications on pathogenic micro-organisms.



bivalve molluscs – bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs - eggs and egg products farmed crustaceans - farmed crustaceans and products thereof -(obsolete) fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices meat - meat and meat products (other than poultry) milk - milk and milk products molluscs - molluscs and products thereof - (obsolete) nuts, seeds nuts, nut products and seeds other food product - other food product / mixed poultry meat - poultry meat and poultry meat products

prepared dishes - prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

distr. to m. countries – distribution to other member countries distr. to non-m. countries – distribution to non-member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country

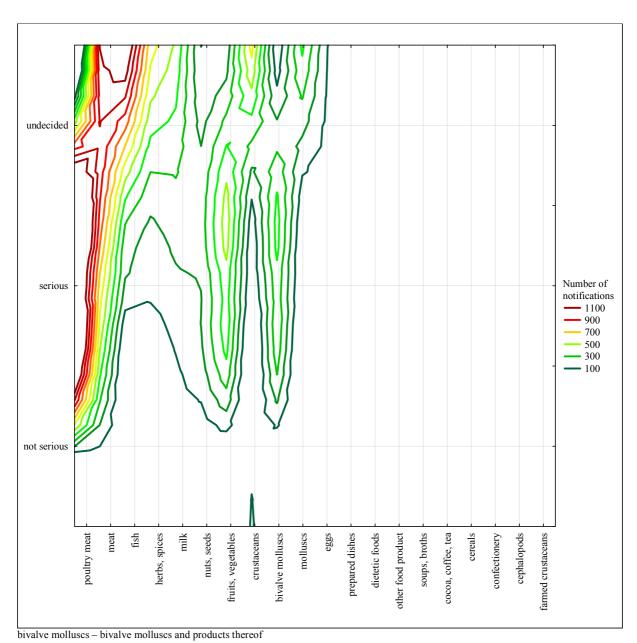
information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country no longer on market – product (presumably) no longer on the market  $\,$ 

not placed on market – product not (yet) placed on the market product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed product - customs control – product under customs control product past best date – product past best before date

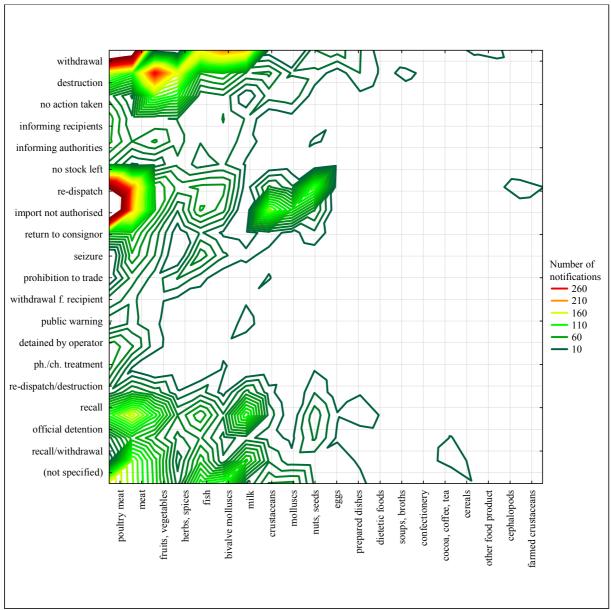
FIGURE S23 Similarities between product category and distribution status within notifications on pathogenic micro-organisms.



cephalopods - cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs – eggs and egg products farmed crustaceans – farmed crustaceans and products thereof - (obsolete) fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) milk - milk and milk products molluses – molluses and products thereof - (obsolete)  $nuts,\,seeds\,nuts,\,nut\,\,products\,\,and\,\,seeds$ other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks

soups, broths – soups, broths, sauces and condiments

FIGURE S24 Similarities between product category and risk decision within notifications on pathogenic micro-organisms.

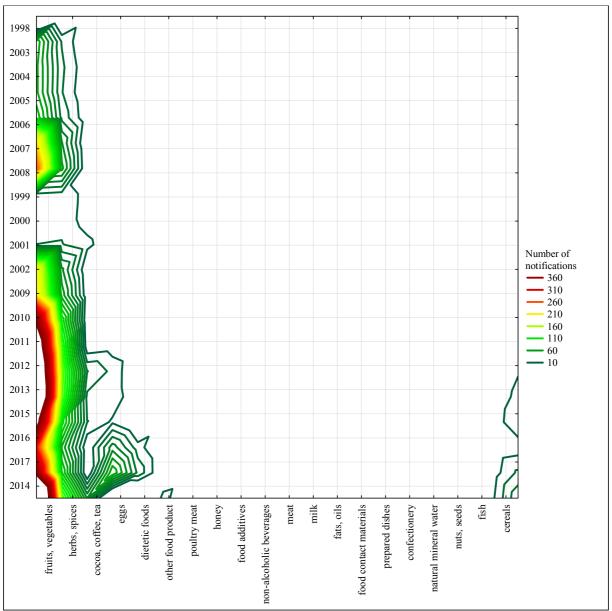


bivalve molluscs – bivalve molluscs and products thereof cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods eggs – eggs and egg products farmed crustaceans – farmed crustaceans and products thereof - (obsolete) fish – fish and fish products fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) milk – milk and milk products molluscs – molluscs and products thereof - (obsolete)

nuts, seeds nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

ph./ch. treatment – physical/chemical treatment prohibition to trade – prohibition to trade - sales ban public warning – public warning - press release recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)

FIGURE S25 Similarities between product category and action taken within notifications on pathogenic micro-organisms.



cereals – cereals and bakery products

cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods

eggs – eggs and egg products fats, oils – fats and oils

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

herbs, spices - herbs and spices

honey – honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

nuts, seeds - nuts, nut products and seeds

other food product - other food product / mixed

poultry meat – poultry meat and poultry meat products

prepared dishes - prepared dishes and snacks

FIGURE S26 Similarities between product category and year within notifications on pesticide residues.

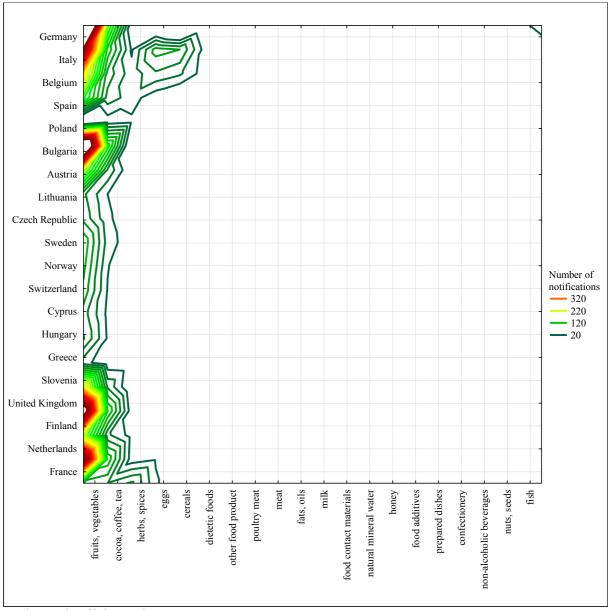


FIGURE S27 Similarities between product category and notifying country within notifications on pesticide residues.

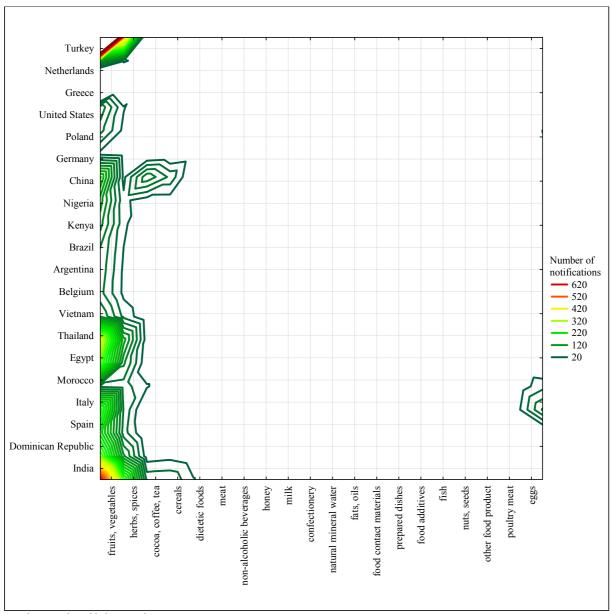
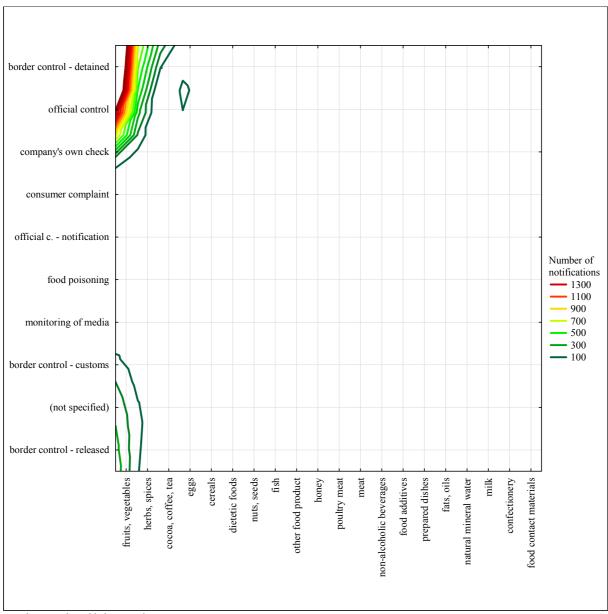


FIGURE S28 Similarities between product category and origin country within notifications on pesticide residues.



border control - customs – border control - consignment under customs border control - detained – border control - consignment detained border control - released – border control - consignment released official c. - notification – official control following RASFF notification official control – official control on the market

FIGURE S29 Similarities between product category and notification basis within notifications on pesticide residues.

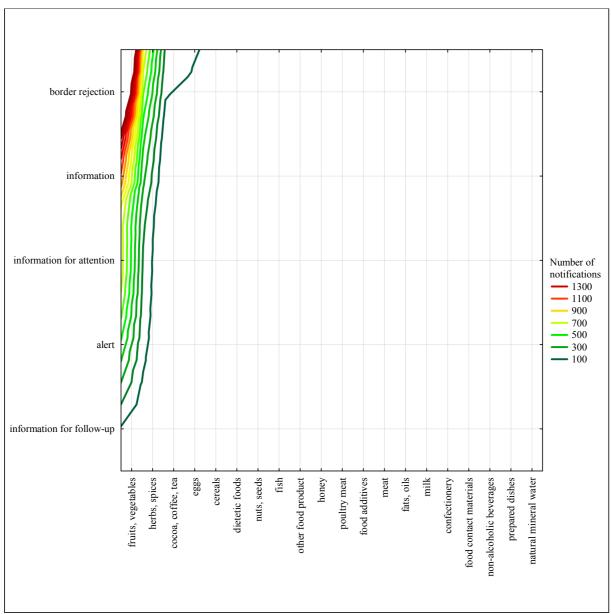
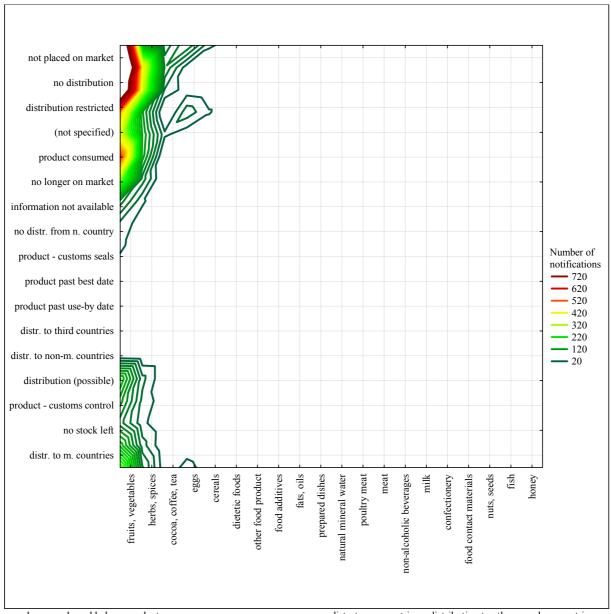


FIGURE \$30 Similarities between product category and notification type within notifications on pesticide residues.



distr. to m. countries – distribution to other member countries distr. to non-m. countries – distribution to non-member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country

information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country no longer on market – product (presumably) no longer on the market  $\,$ 

not placed on market – product not (yet) placed on the market product - customs control – product under customs control product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed product past best date – product past best before date

FIGURE S31 Similarities between product category and distribution status within notifications on pesticide residues.

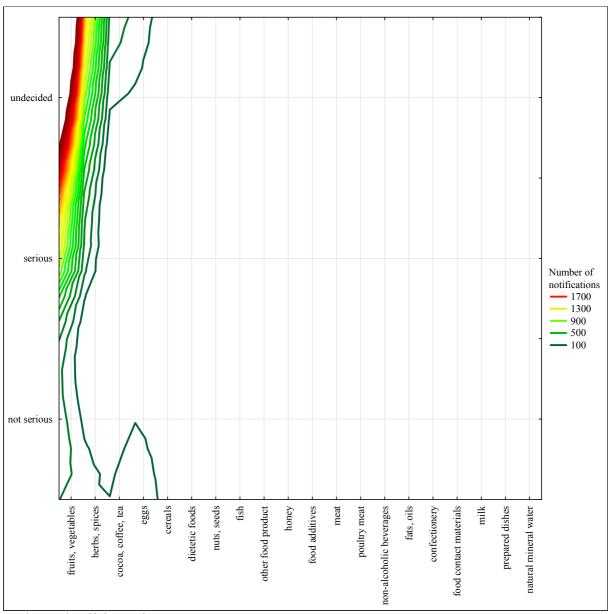
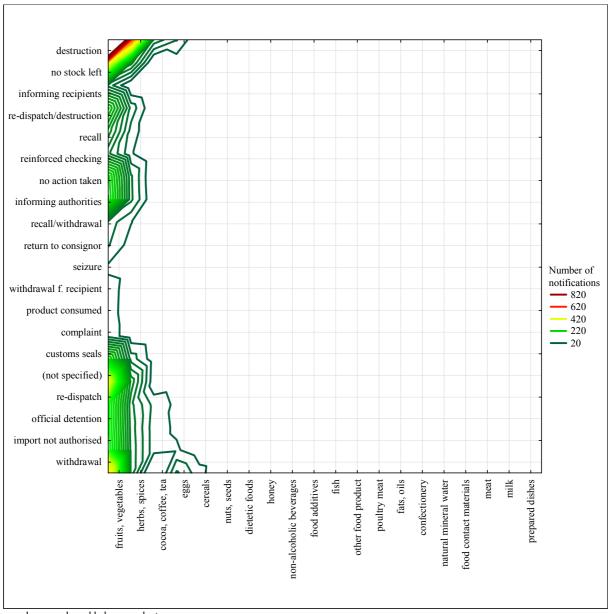
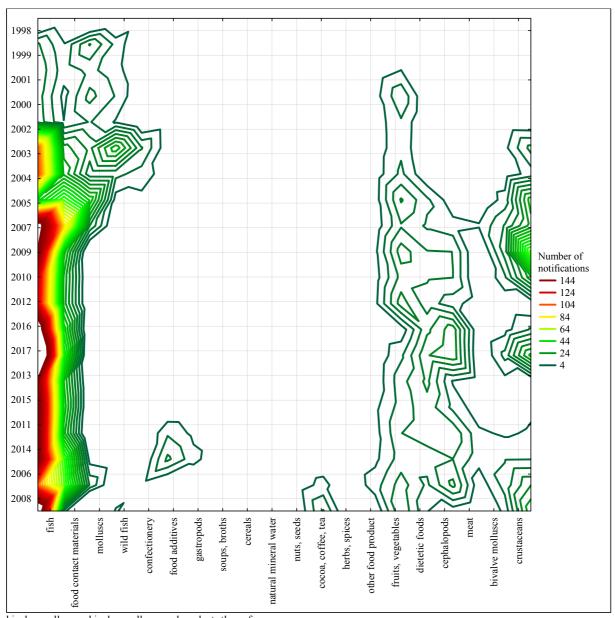


FIGURE S32 Similarities between product category and risk decision within notifications on pesticide residues.



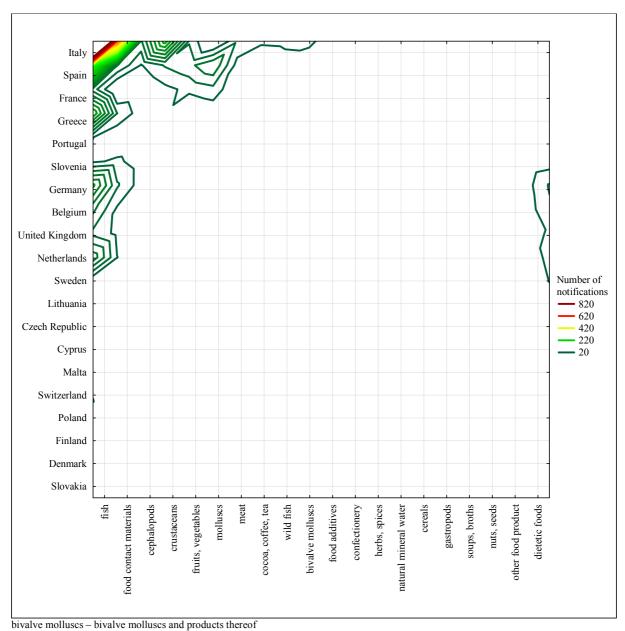
customs seals – placed under customs seals product consumed – product already consumed recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)



bivalve molluscs – bivalve molluscs and products thereof cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products food additives – food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) molluscs – molluscs and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed soups, broths – soups, broths, sauces and condiments

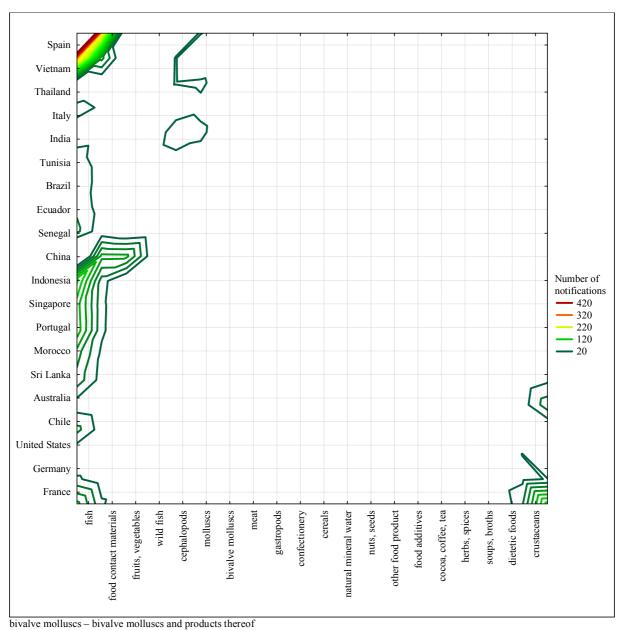
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

 $\textbf{FIGURE S34} \ \textbf{Similarities} \ \textbf{between product category} \ \textbf{and} \ \textbf{year} \ \textbf{within notifications} \ \textbf{on heavy metals}.$ 



cephalopods – cephalopods and products thereof
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
crustaceans – crustaceans and products thereof
dietetic foods – dietetic foods, food supplements, fortified foods
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
molluscs – molluscs and products thereof - (obsolete)
nuts, seeds – nuts, nut products and seeds
other food product – other food product / mixed
soups, broths – soups, broths, sauces and condiments
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S35 Similarities between product category and notifying country within notifications on heavy metals.

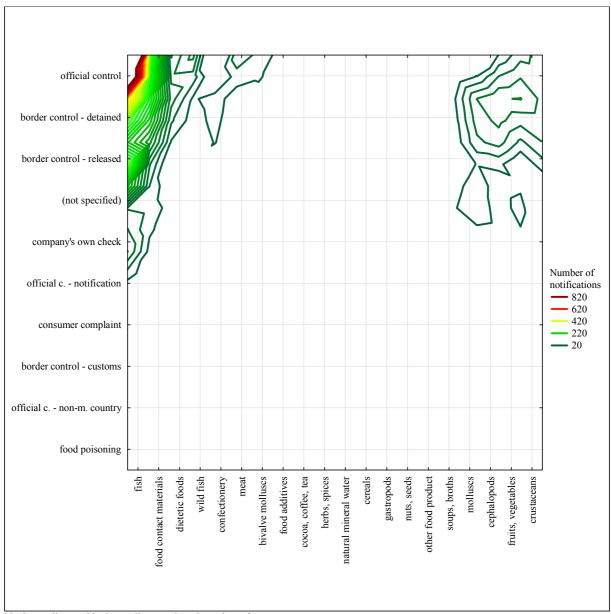


cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products food additives – food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) molluscs – molluscs and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds

other food product - other food product / mixed

soups, broths – soups, broths, sauces and condiments wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

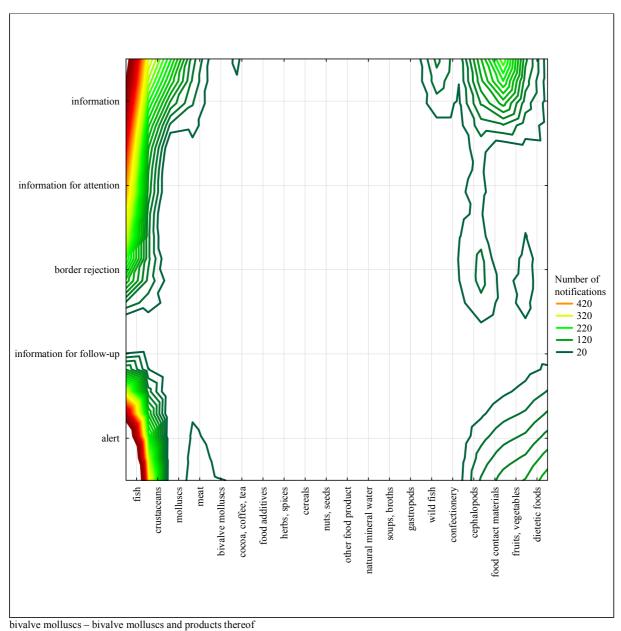
 $\textbf{FIGURE S36} \ \text{Similarities between product category and origin country within notifications on heavy metals}.$ 



bivalve molluscs - bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices meat – meat and meat products (other than poultry) molluses - molluses and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product - other food product / mixed soups, broths – soups, broths, sauces and condiments wild fish - wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

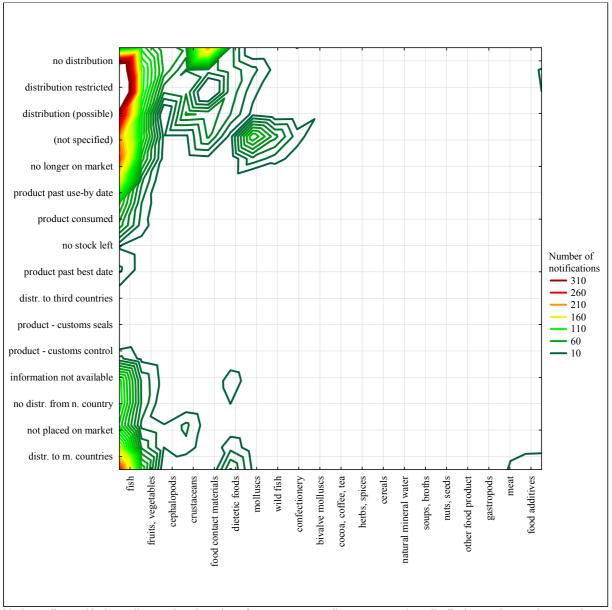
border control - customs – border control - consignment under customs border control - detained – border control - consignment detained border control - released – border control - consignment released official c. - notification – official control following RASFF notification official c. – non-m. country – official control in non-member country official control – official control on the market

FIGURE S37 Similarities between product category and notification basis within notifications on heavy metals.



cephalopods – cephalopods and products thereof
cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
crustaceans – crustaceans and products thereof
dietetic foods – dietetic foods, food supplements, fortified foods
fish – fish and fish products
food additives – food additives and flavourings
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
meat – meat and meat products (other than poultry)
molluscs – molluscs and products thereof - (obsolete)
nuts, seeds – nuts, nut products and seeds
other food product – other food product / mixed
soups, broths – soups, broths, sauces and condiments
wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE \$38 Similarities between product category and notification type within notifications on heavy metals.



bivalve molluscs - bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices meat – meat and meat products (other than poultry) molluses - molluses and products thereof - (obsolete) nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed soups, broths - soups, broths, sauces and condiments wild fish - wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

distr. to m. countries – distribution to other member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country

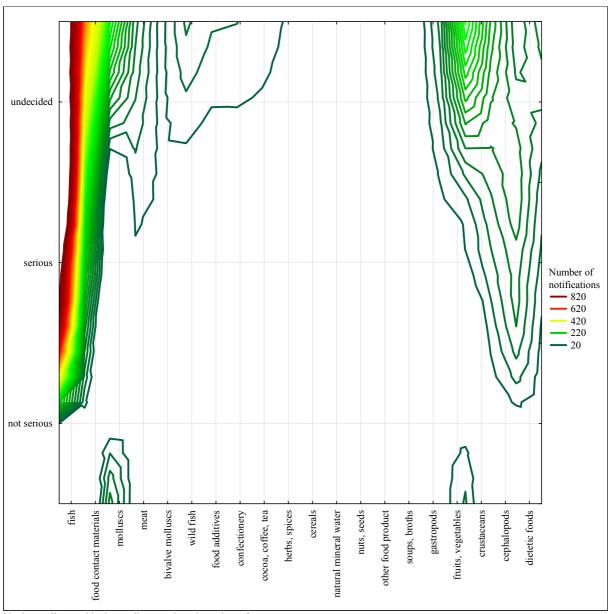
information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country no longer on market – product (presumably) no longer on the market

not placed on market – product not (yet) placed on the market product - customs control – product under customs control product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed product past best date – product past best before date

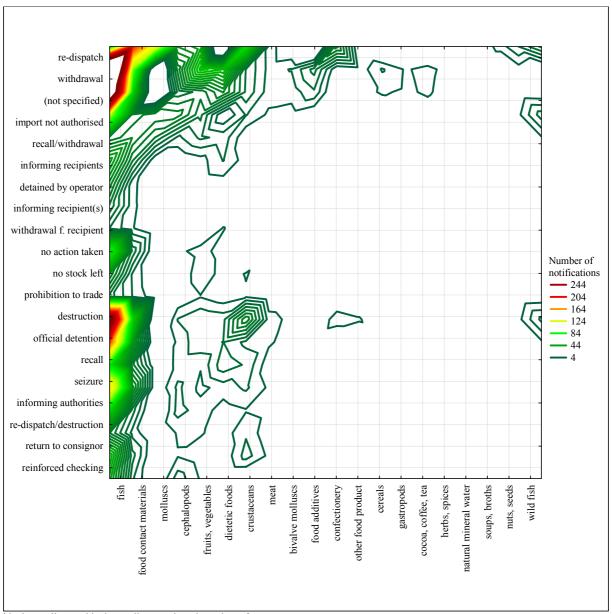
FIGURE S39 Similarities between product category and distribution status within notifications on heavy metals.



bivalve molluscs – bivalve molluscs and products thereof cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products food additives – food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices meat – meat and meat products (other than poultry) molluscs – molluscs and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed soups, broths – soups, broths, sauces and condiments

wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

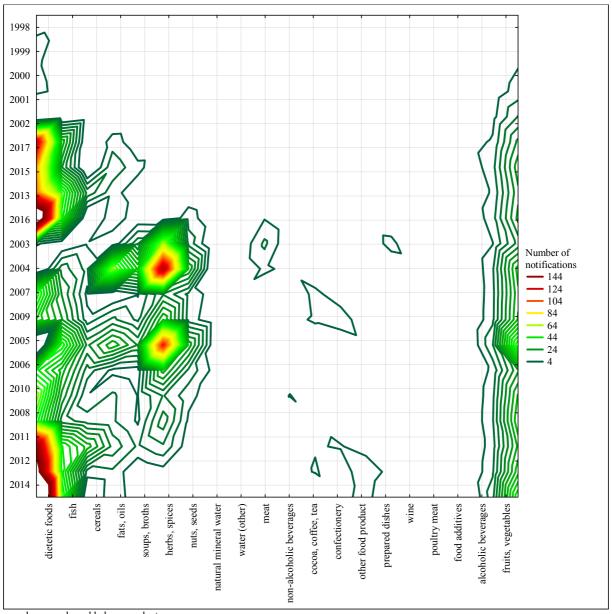
FIGURE S40 Similarities between product category and risk decision within notifications on heavy metals.



bivalve molluscs - bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices meat – meat and meat products (other than poultry) molluses – molluses and products thereof - (obsolete) nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed soups, broths - soups, broths, sauces and condiments wild fish - wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

prohibition to trade – prohibition to trade - sales ban recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)

FIGURE S41 Similarities between product category and action taken within notifications on heavy metals.



cereals – cereals and bakery products

cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods

fats, oils – fats and oils

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

herbs, spices – herbs and spices

meat – meat and meat products (other than poultry)

nuts, seeds - nuts, nut products and seeds

other food product – other food product / mixed

poultry meat – poultry meat and poultry meat products

prepared dishes – prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

water (other) - water for human consumption (other)

FIGURE S42 Similarities between product category and year within notifications on composition.

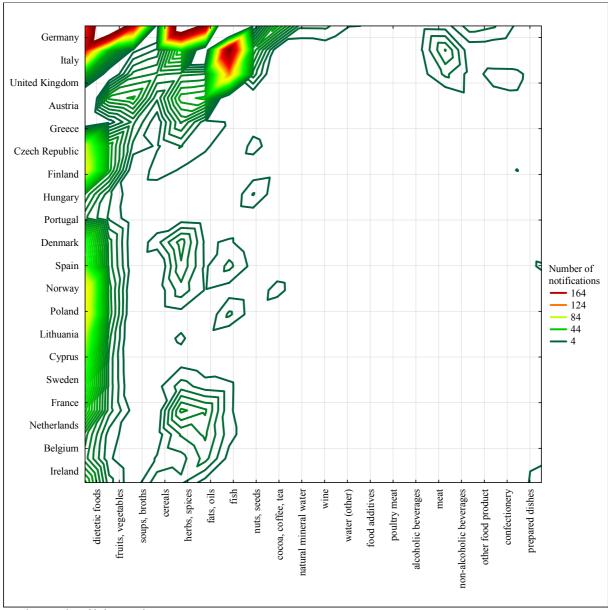


FIGURE S43 Similarities between product category and notifying country within notifications on composition.

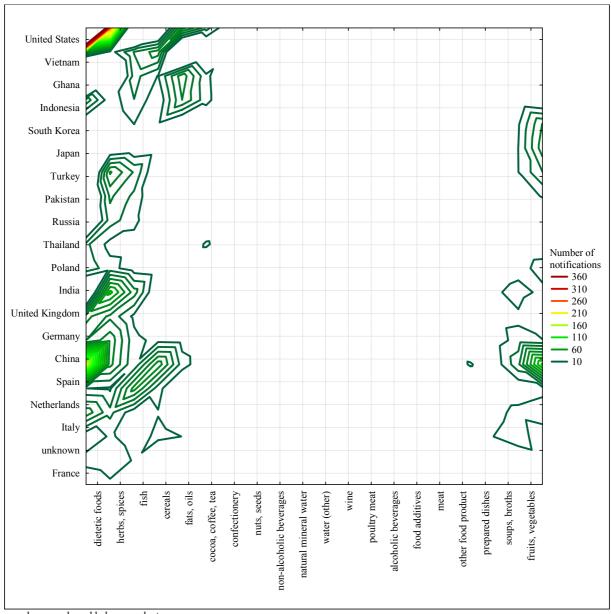
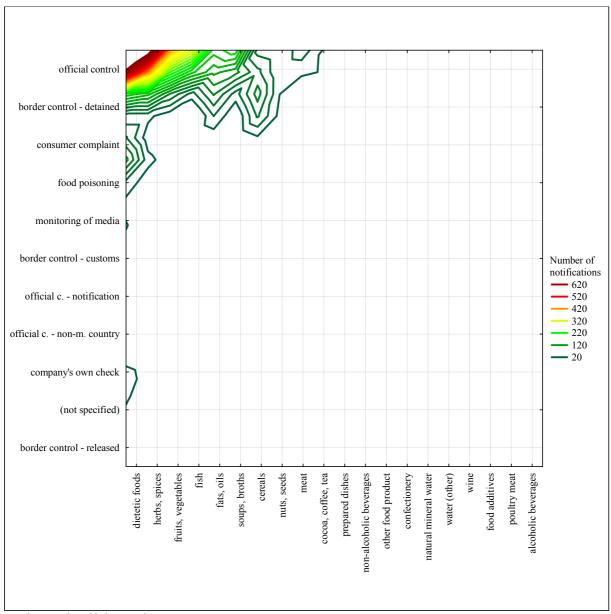


FIGURE S44 Similarities between product category and origin country within notifications on composition.



border control - customs – border control - consignment under customs border control - detained – border control - consignment detained border control - released – border control - consignment released official c. - non-m. country – official control in non-member country official c. - notification – official control following RASFF notification official control – official control on the market

FIGURE S45 Similarities between product category and notification basis within notifications on composition.

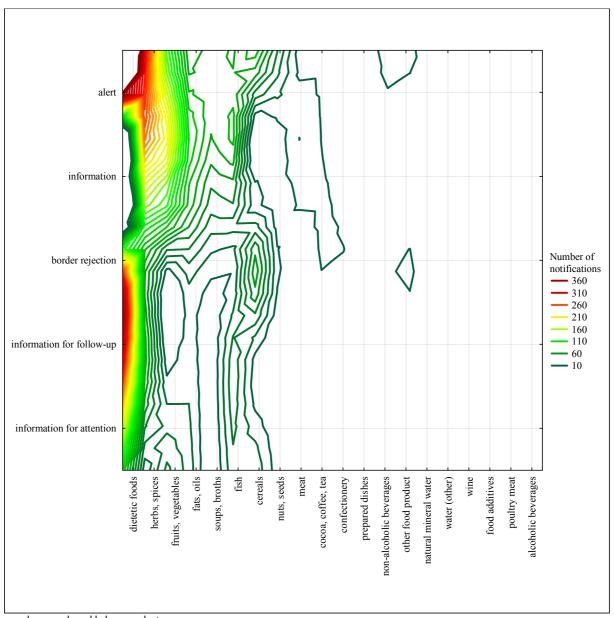
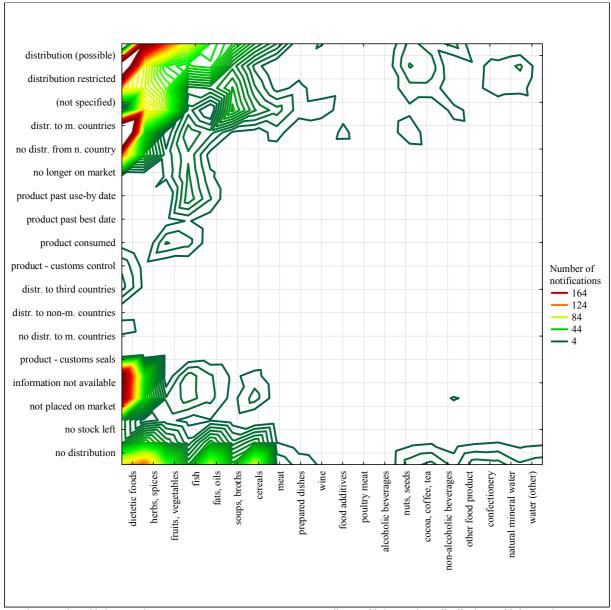


FIGURE S46 Similarities between product category and notification type within notifications on composition.



distr. to m. countries – distribution to other member countries distr. to non-m. countries – distribution to non-member countries

distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country

 $information \ not \ available-information \ on \ distribution \ not \ (yet)$  available

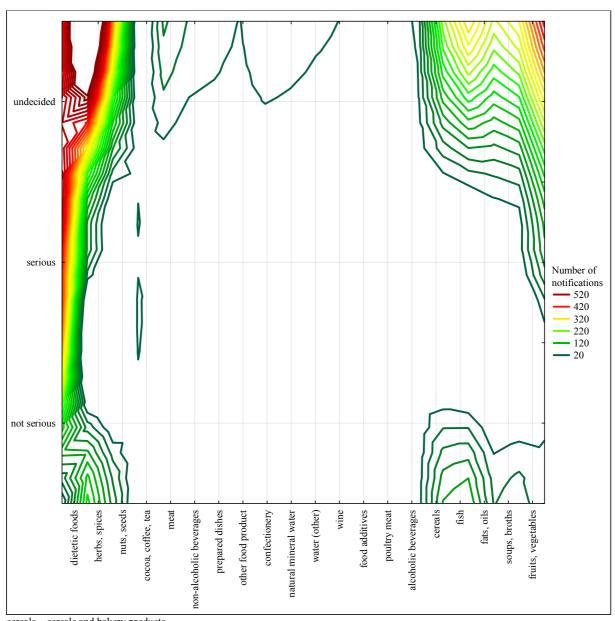
no distr. from n. country – no distribution from notifying country no distr. to m. countries – no distribution to other member countries

no longer on market – product (presumably) no longer on the market  $\,$ 

not placed on market – product not (yet) placed on the market product - customs control – product under customs control product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed product past best date – product past best before date

FIGURE S47 Similarities between product category and distribution status within notifications on composition.



cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa p

cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods

fats, oils – fats and oils

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

herbs, spices – herbs and spices

meat – meat and meat products (other than poultry)

nuts, seeds - nuts, nut products and seeds

other food product – other food product / mixed

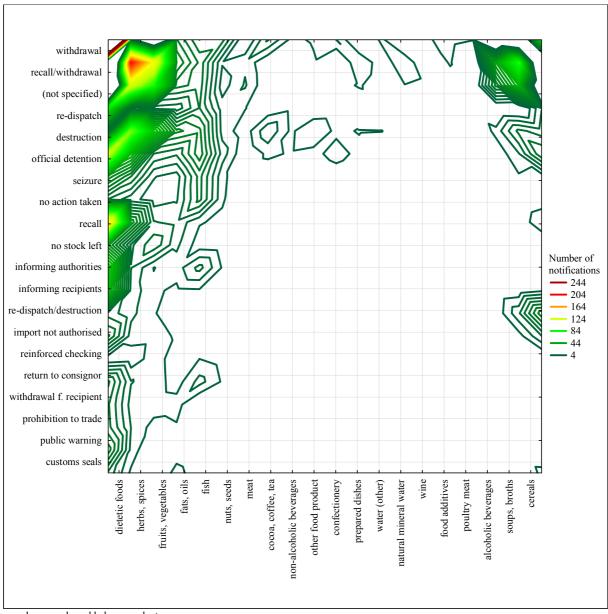
poultry meat – poultry meat and poultry meat products

prepared dishes – prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

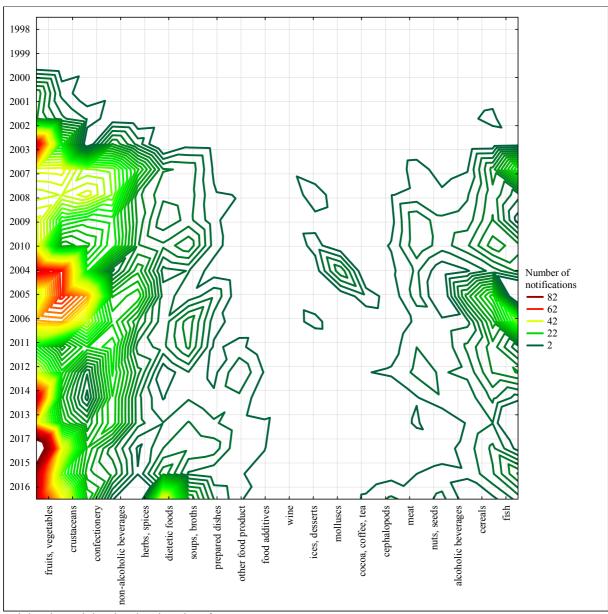
water (other) - water for human consumption (other)

FIGURE S48 Similarities between product category and risk decision within notifications on composition.



customs seals – placed under customs seals prohibition to trade – prohibition to trade - sales ban public warning – public warning - press release recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)

FIGURE S49 Similarities between product category and action taken within notifications on composition.



cephalopods – cephalopods and products thereof

cereals - cereals and bakery products

cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea

crustaceans – crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

herbs, spices - herbs and spices

ices, desserts - ices and desserts

meat – meat and meat products (other than poultry)

molluses – molluses and products thereof - (obsolete)

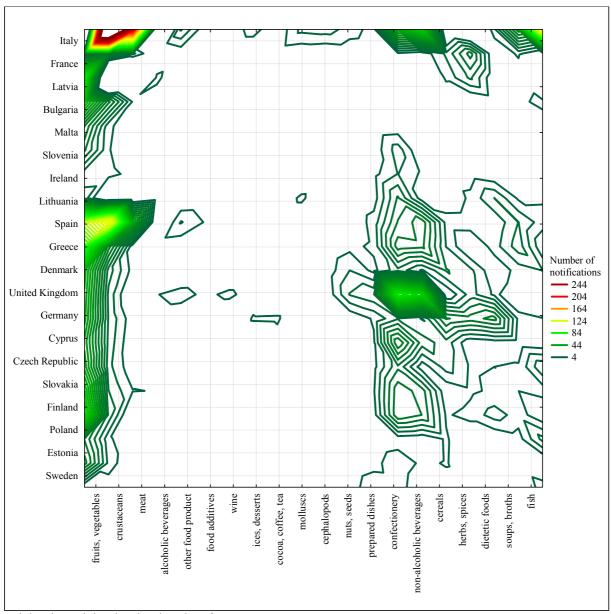
nuts, seeds – nuts, nut products and seeds

other food product - other food product / mixed

prepared dishes – prepared dishes and snacks

soups, broths – soups, broths, sauces and condiments

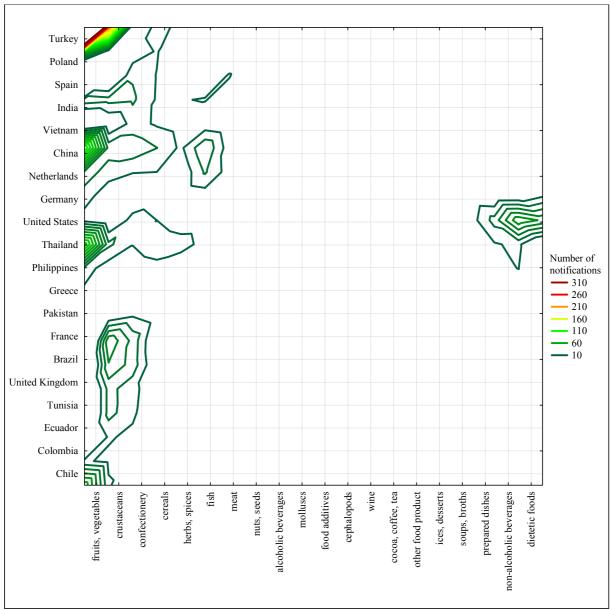
FIGURE S50 Similarities between product category and year within notifications on food additives and flavourings.



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products food additives – food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices ices, desserts – ices and desserts meat – meat and meat products (other than poultry) molluscs – molluscs and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed prepared dishes – prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

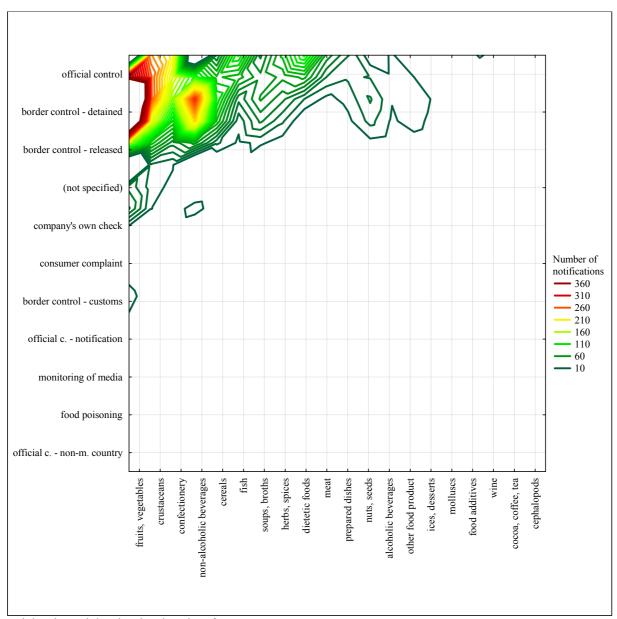
 $\textbf{FIGURE S51} \ \ \text{Similarities between product category and notifying country within notifications on food additives and flavourings.}$ 



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products food additives – food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices ices, desserts – ices and desserts meat – meat and meat products (other than poultry) molluscs – molluscs and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed prepared dishes – prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

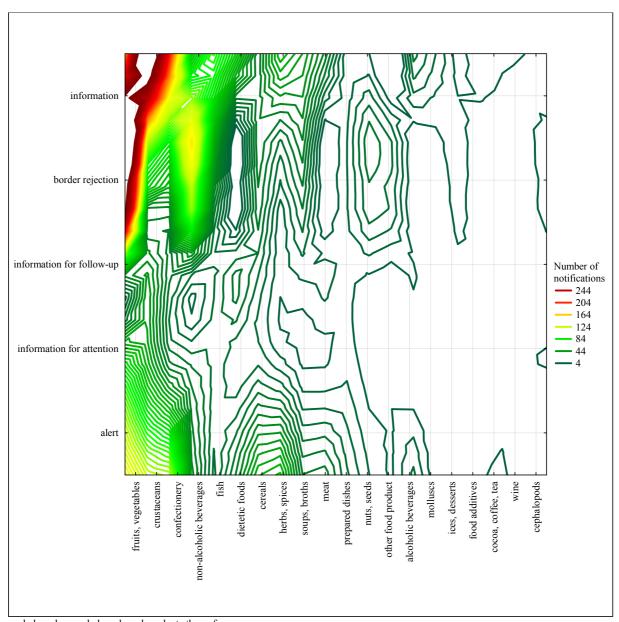
FIGURE S52 Similarities between product category and origin country within notifications on food additives and flavourings.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices ices, desserts - ices and desserts meat – meat and meat products (other than poultry) molluses - molluses and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product - other food product / mixed prepared dishes - prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

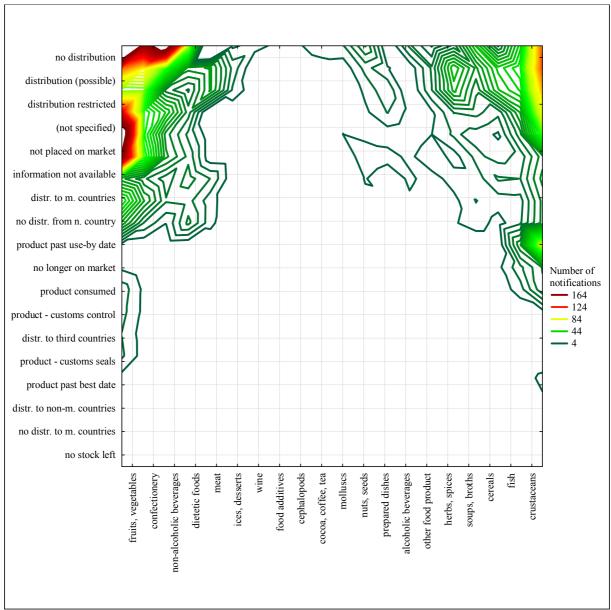
border control - detained – border control - consignment detained border control - released – border control - consignment released border control - customs – border control - consignment under customs official c. - non-m. country – official control in non-member country official c. - notification – official control following RASFF notification official control – official control on the market

FIGURE S53 Similarities between product category and notification basis within notifications on food additives and flavourings.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices ices, desserts - ices and desserts meat – meat and meat products (other than poultry) molluscs - molluscs and products thereof - (obsolete) nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed prepared dishes – prepared dishes and snacks  $soups,\,broths-soups,\,broths,\,sauces\,and\,condiments$ 

FIGURE S54 Similarities between product category and notification type within notifications on food additives and flavourings.



cephalopods – cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables herbs, spices - herbs and spices ices, desserts - ices and desserts meat – meat and meat products (other than poultry) molluses – molluses and products thereof - (obsolete) nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed prepared dishes - prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

distr. to m. countries – distribution to other member countries

distr. to non-m. countries – distribution to non-member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country

 $information \ not \ available-information \ on \ distribution \ not \ (yet)$  available

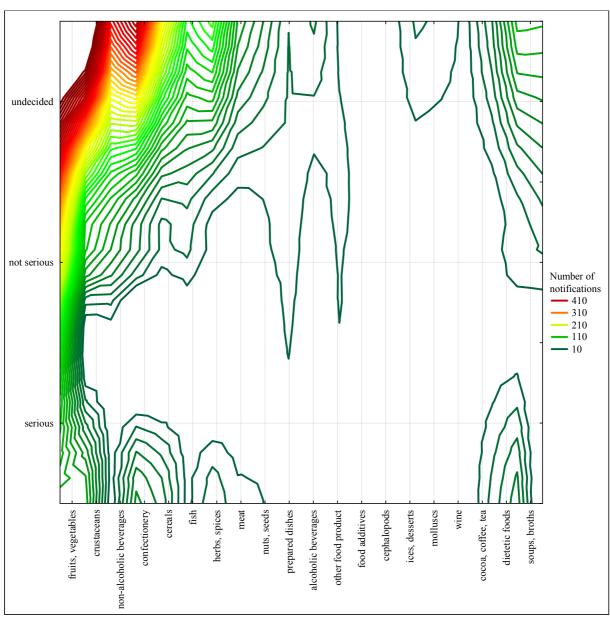
no distr. from n. country – no distribution from notifying country no distr. to m. countries – no distribution to other member countries

no longer on market – product (presumably) no longer on the market

not placed on market – product not (yet) placed on the market product - customs control – product under customs control product - customs seals – product allowed to travel to destination under customs seals

product consumed – product already consumed product past best date – product past best before date

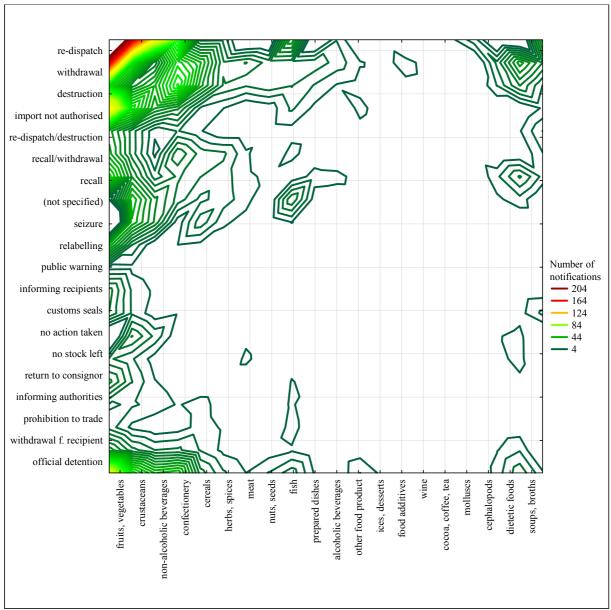
FIGURE S55 Similarities between product category and distribution status within notifications on food additives and flavourings.



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea crustaceans – crustaceans and products thereof dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products food additives – food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices ices, desserts – ices and desserts meat – meat and meat products (other than poultry) molluscs – molluscs and products thereof - (obsolete) nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed prepared dishes – prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

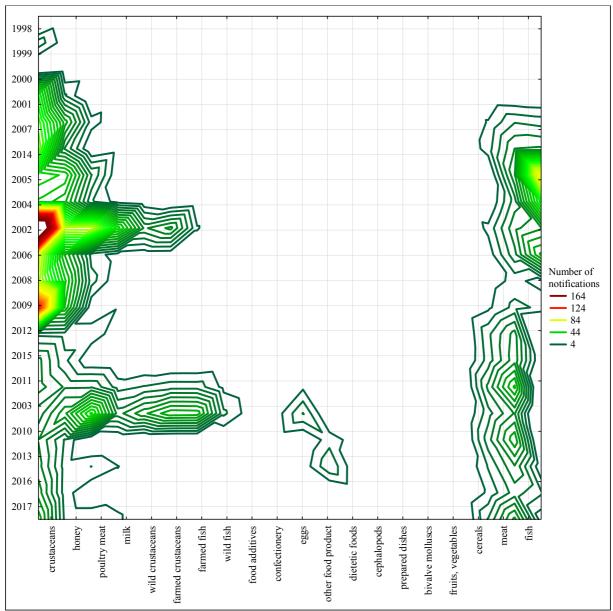
FIGURE S56 Similarities between product category and risk decision within notifications on food additives and flavourings.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products food additives - food additives and flavourings fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices ices, desserts - ices and desserts meat – meat and meat products (other than poultry) molluscs - molluscs and products thereof - (obsolete) nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed prepared dishes - prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

customs seals – placed under customs seals prohibition to trade – prohibition to trade - sales ban public warning – public warning - press release recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)

FIGURE S57 Similarities between product category and action taken within notifications on food additives and flavourings.



cephalopods - cephalopods and products thereof

cereals - cereals and bakery products

crustaceans – crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs – eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

farmed fish – farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete)

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

honey - honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

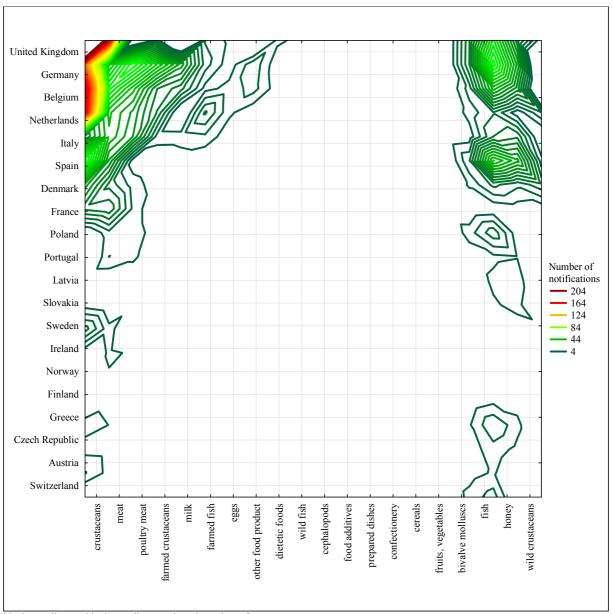
other food product – other food product / mixed

poultry meat – poultry meat and poultry meat products

prepared dishes – prepared dishes and snacks

wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S58 Similarities between product category and year within notifications on residues of veterinary medicinal products.



cephalopods - cephalopods and products thereof

cereals - cereals and bakery products

crustaceans – crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs – eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

 $farmed\ fish-farmed\ fish\ and\ products\ thereof\ (other\ than\ crustaceans\ and\ molluscs)\ -\ (obsolete)$ 

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables – fruits and vegetables

honey - honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

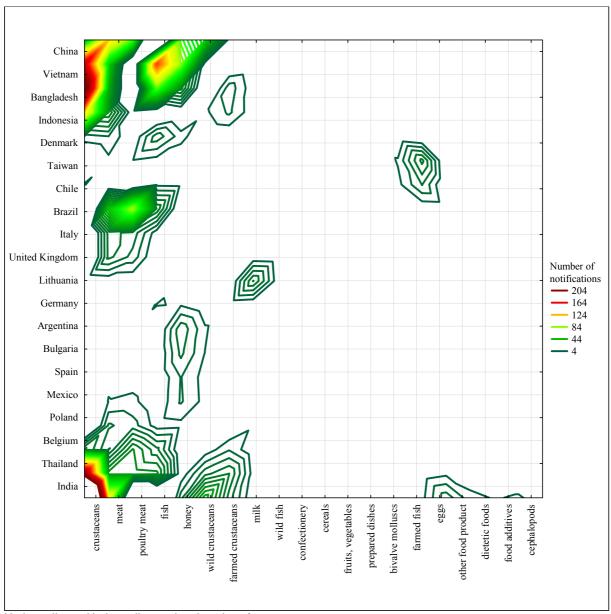
other food product - other food product / mixed

poultry meat - poultry meat and poultry meat products

prepared dishes - prepared dishes and snacks

wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S59 Similarities between product category and notifying country within notifications on residues of veterinary medicinal products.



cephalopods - cephalopods and products thereof

 $cereals-cereals\ and\ bakery\ products$ 

crustaceans – crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs - eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

 $farmed\ fish-farmed\ fish\ and\ products\ thereof\ (other\ than\ crustaceans\ and\ molluscs)\ -\ (obsolete)$ 

fish – fish and fish products

food additives - food additives and flavourings

fruits, vegetables – fruits and vegetables

honey - honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

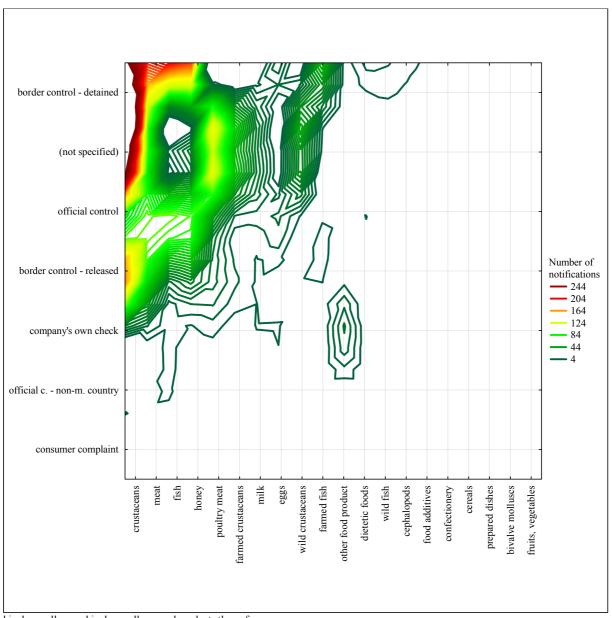
other food product - other food product / mixed

poultry meat - poultry meat and poultry meat products

prepared dishes - prepared dishes and snacks

wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S60 Similarities between product category and origin country within notifications on residues of veterinary medicinal products.



cephalopods - cephalopods and products thereof

 $cereals-cereals\ and\ bakery\ products$ 

crustaceans – crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs – eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

 $farmed\ fish-farmed\ fish\ and\ products\ thereof\ (other\ than\ crustaceans\ and\ molluscs)\ -\ (obsolete)$ 

fish – fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

honey – honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

other food product - other food product / mixed

poultry meat – poultry meat and poultry meat products

prepared dishes – prepared dishes and snacks

wild fish - wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

wild crustaceans – wild caught crustaceans and products thereof - (obsolete)

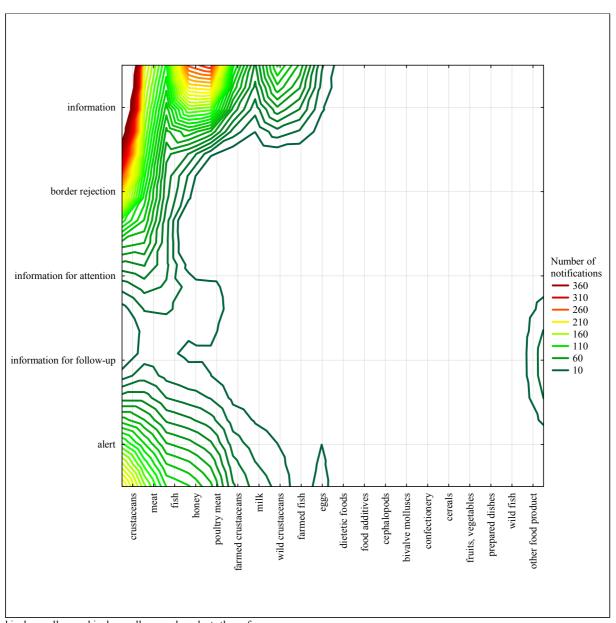
border control - detained - border control - consignment detained

border control - released – border control - consignment released

official c. - non-m. country - official control in non-member country

official control - official control on the market

FIGURE S61 Similarities between product category and notification basis within notifications on residues of veterinary medicinal products.



cephalopods - cephalopods and products thereof

cereals - cereals and bakery products

crustaceans – crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs - eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

 $farmed\ fish-farmed\ fish\ and\ products\ thereof\ (other\ than\ crustaceans\ and\ molluscs)\ -\ (obsolete)$ 

fish – fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

honey - honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

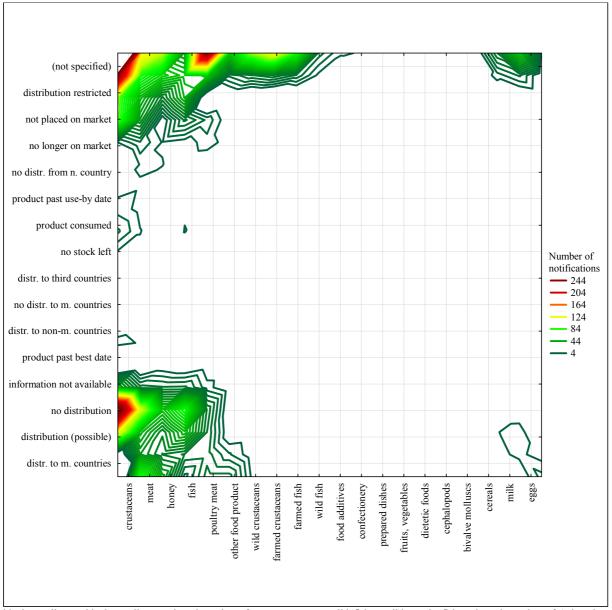
other food product - other food product / mixed

poultry meat - poultry meat and poultry meat products

prepared dishes – prepared dishes and snacks

wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S62 Similarities between product category and notification type within notifications on residues of veterinary medicinal products.



bivalve molluscs - bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals – cereals and bakery products  $crustace ans-crustace ans\ and\ products\ thereof$ dietetic foods - dietetic foods, food supplements, fortified foods eggs - eggs and egg products farmed crustaceans - farmed crustaceans and products thereof -(obsolete) farmed fish - farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete) fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables honey – honey and royal jelly meat – meat and meat products (other than poultry) milk - milk and milk products other food product - other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes - prepared dishes and snacks

wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete) wild crustaceans – wild caught crustaceans and products thereof

wild crustaceans – wild caught crustaceans and products thereof – (obsolete)

distr. to m. countries – distribution to other member countries distr. to non-m. countries – distribution to non-member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying country

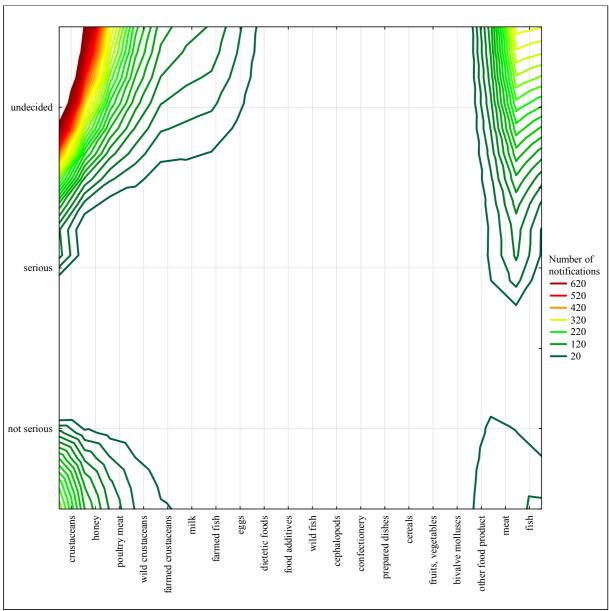
information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country no distr. to m. countries – no distribution to other member countries

no longer on market – product (presumably) no longer on the market

not placed on market – product not (yet) placed on the market product consumed – product already consumed

FIGURE S63 Similarities between product category and distribution status within notifications on residues of veterinary medicinal products.



cephalopods - cephalopods and products thereof

cereals - cereals and bakery products

crustaceans - crustaceans and products thereof

dietetic foods - dietetic foods, food supplements, fortified foods

eggs - eggs and egg products

farmed crustaceans – farmed crustaceans and products thereof - (obsolete)

farmed fish – farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete)

fish - fish and fish products

food additives - food additives and flavourings

fruits, vegetables - fruits and vegetables

honey - honey and royal jelly

meat – meat and meat products (other than poultry)

milk - milk and milk products

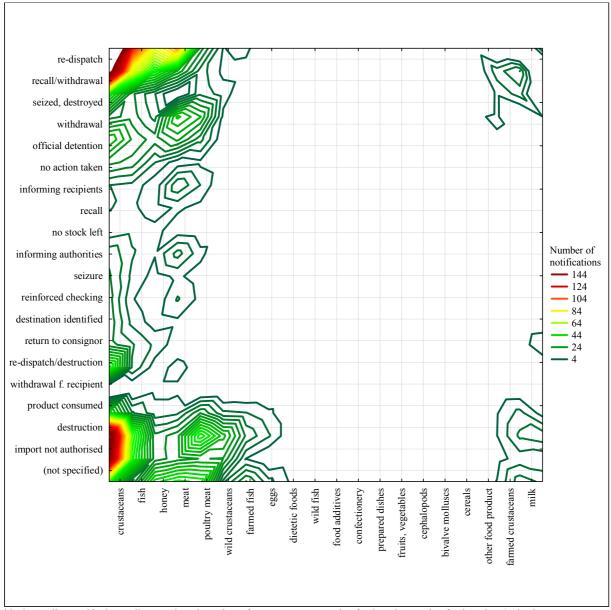
other food product - other food product / mixed

poultry meat – poultry meat and poultry meat products

prepared dishes – prepared dishes and snacks

wild fish - wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete)

FIGURE S64 Similarities between product category and risk decision within notifications on residues of veterinary medicinal products.

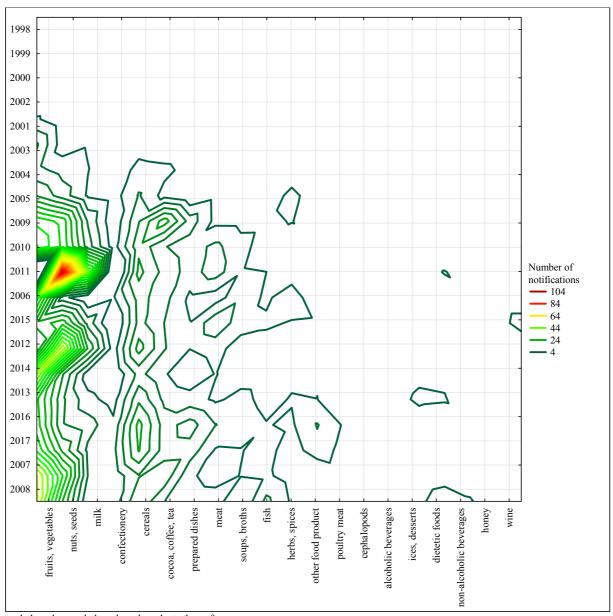


bivalve molluscs - bivalve molluscs and products thereof cephalopods - cephalopods and products thereof cereals – cereals and bakery products crustaceans - crustaceans and products thereof dietetic foods - dietetic foods, food supplements, fortified foods eggs - eggs and egg products farmed crustaceans - farmed crustaceans and products thereof -(obsolete) farmed fish - farmed fish and products thereof (other than crustaceans and molluscs) - (obsolete) fish - fish and fish products food additives - food additives and flavourings fruits, vegetables - fruits and vegetables honey - honey and royal jelly meat – meat and meat products (other than poultry) milk – milk and milk products

other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks wild fish – wild caught fish and products thereof (other than crustaceans and molluscs) - (obsolete) wild crustaceans – wild caught crustaceans and products thereof - (obsolete)

destination identified – destination of the product identified product consumed – product already consumed recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction seized, destroyed – product seized and will be destroyed withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)

FIGURE S65 Similarities between product category and action taken within notifications on residues of veterinary medicinal products.



cephalopods - cephalopods and products thereof

cereals - cereals and bakery products

cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products

fruits, vegetables - fruits and vegetables

herbs, spices – herbs and spices

honey - honey and royal jelly

ices, desserts - ices and desserts

meat – meat and meat products (other than poultry)

milk – milk and milk products

 $nuts,\,seeds-nuts,\,nut\,\,products\,\,and\,\,seeds$ 

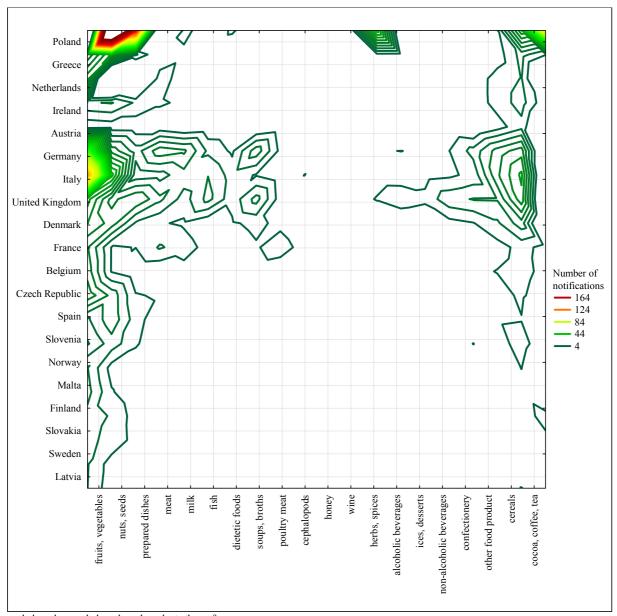
other food product - other food product / mixed

poultry meat - poultry meat and poultry meat products

 $prepared\ dishes-prepared\ dishes\ and\ snacks$ 

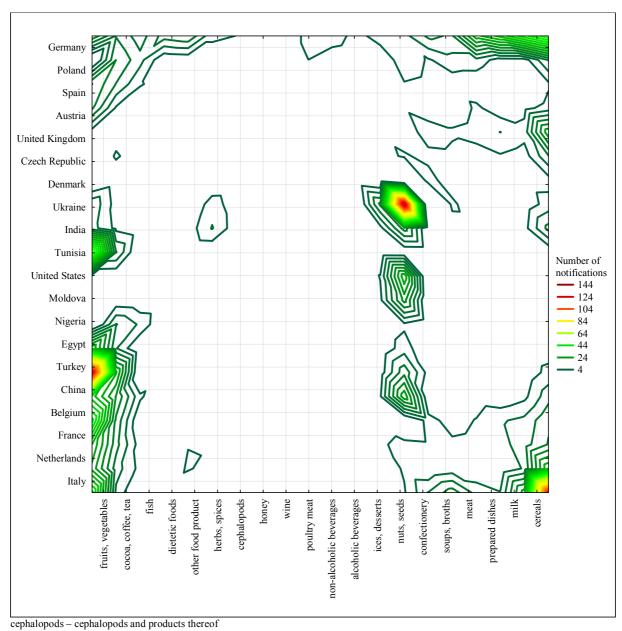
soups, broths - soups, broths, sauces and condiments

FIGURE S66 Similarities between product category and year within notifications on foreign bodies.



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices honey – honey and royal jelly ices, desserts – ices and desserts meat – meat and meat products (other than poultry) milk – milk and milk products nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

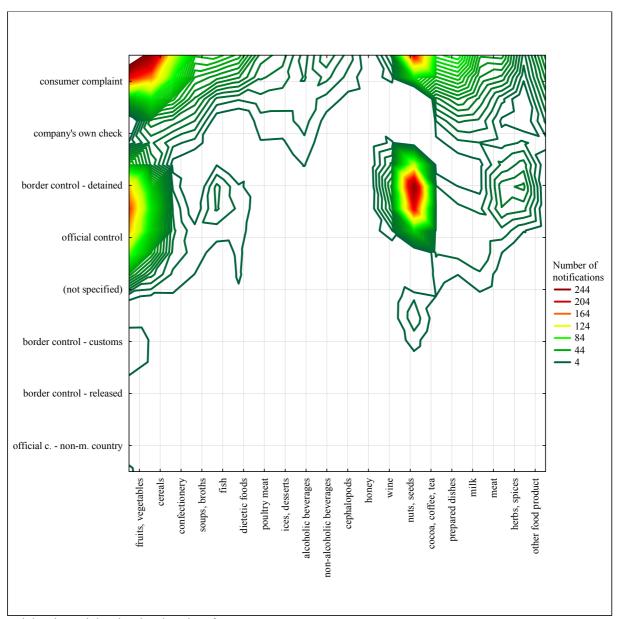
FIGURE S67 Similarities between product category and notifying country within notifications on foreign bodies.



cereals – cereals and bakery products
cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea
dietetic foods – dietetic foods, food supplements, fortified foods
fish – fish and fish products
fruits, vegetables – fruits and vegetables
herbs, spices – herbs and spices
honey – honey and royal jelly
ices, desserts – ices and desserts
meat – meat and meat products (other than poultry)
milk – milk and milk products
nuts, seeds – nuts, nut products and seeds
other food product – other food product / mixed
poultry meat – poultry meat and poultry meat products
prepared dishes – prepared dishes and snacks

soups, broths - soups, broths, sauces and condiments

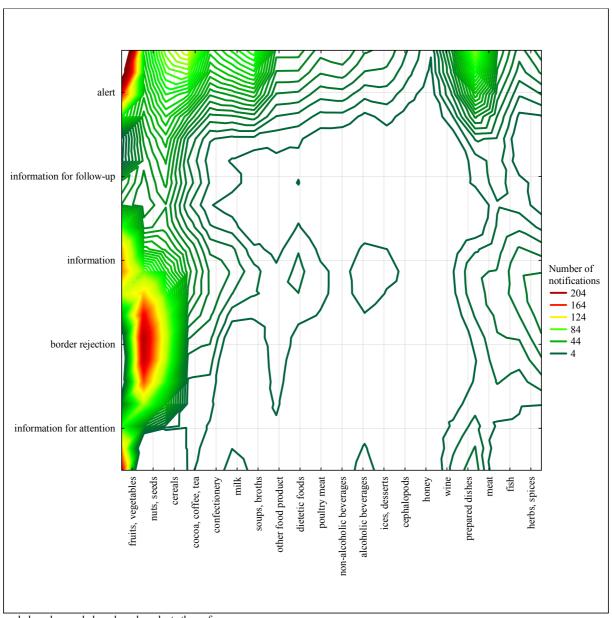
FIGURE S68 Similarities between product category and origin country within notifications on foreign bodies.



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices honey – honey and royal jelly ices, desserts – ices and desserts meat – meat and meat products (other than poultry) milk – milk and milk products unts, seeds – nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

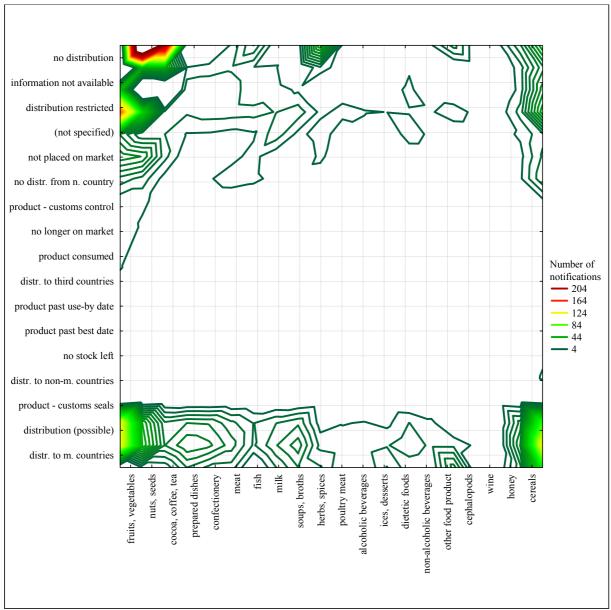
border control - customs – border control - consignment under customs border control - detained – border control - consignment detained border control - released – border control - consignment released official c. - non-m. country – official control in non-member country official control – official control on the market

FIGURE S69 Similarities between product category and notification basis within notifications on foreign bodies.



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices honey – honey and royal jelly ices, desserts – ices and desserts meat – meat and meat products (other than poultry) milk – milk and milk products nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

FIGURE S70 Similarities between product category and notification type within notifications on foreign bodies.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products cocoa, coffee, tea - cocoa and cocoa preparations, coffee and tea dietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices honey – honey and royal jelly ices, desserts - ices and desserts meat – meat and meat products (other than poultry) milk - milk and milk products nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed poultry meat - poultry meat and poultry meat products prepared dishes - prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

distr. to m. countries – distribution to other member countries distr. to non-m. countries – distribution to non-member countries distr. to third countries – distribution to third countries distribution (possible) – distribution on the market (possible) distribution restricted – distribution restricted to notifying

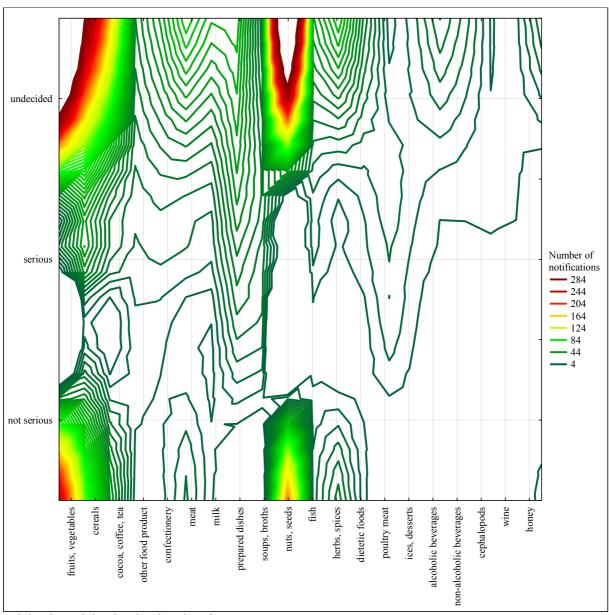
information not available – information on distribution not (yet) available

no distr. from n. country – no distribution from notifying country no longer on market – product (presumably) no longer on the market  $\,$ 

not placed on market – product not (yet) placed on the market product - customs control – product under customs control product - customs seals – product allowed to travel to destination under customs seals

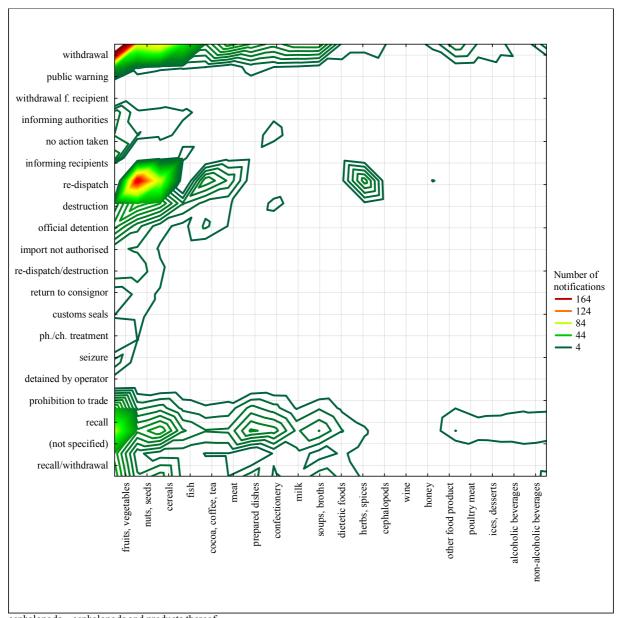
product consumed – product already consumed product past best date – product past best before date

FIGURE S71 Similarities between product category and distribution status within notifications on foreign bodies.



cephalopods – cephalopods and products thereof cereals – cereals and bakery products cocoa, coffee, tea – cocoa and cocoa preparations, coffee and tea dietetic foods – dietetic foods, food supplements, fortified foods fish – fish and fish products fruits, vegetables – fruits and vegetables herbs, spices – herbs and spices honey – honey and royal jelly ices, desserts – ices and desserts meat – meat and meat products (other than poultry) milk – milk and milk products nuts, seeds – nuts, nut products and seeds other food product – other food product / mixed poultry meat – poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths – soups, broths, sauces and condiments

FIGURE S72 Similarities between product category and risk decision within notifications on foreign bodies.



cephalopods - cephalopods and products thereof cereals - cereals and bakery products  $cocoa,\,coffee,\,tea-cocoa$  and cocoa preparations, coffee and teadietetic foods - dietetic foods, food supplements, fortified foods fish - fish and fish products fruits, vegetables - fruits and vegetables herbs, spices – herbs and spices honey - honey and royal jelly ices, desserts – ices and desserts meat – meat and meat products (other than poultry) milk - milk and milk products nuts, seeds - nuts, nut products and seeds other food product - other food product / mixed poultry meat - poultry meat and poultry meat products prepared dishes – prepared dishes and snacks soups, broths - soups, broths, sauces and condiments

customs seals – placed under customs seals ph./ch. treatment – physical/chemical treatment prohibition to trade – prohibition to trade - sales ban public warning – public warning - press release recall – recall from consumers recall/withdrawal – product recall or withdrawal re-dispatch/destruction – re-dispatch or destruction withdrawal – withdrawal from the market withdrawal f. recipient – withdrawal from recipient(s)

FIGURE S73 Similarities between product category and action taken within notifications on foreign bodies.