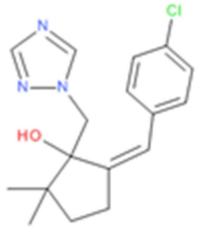
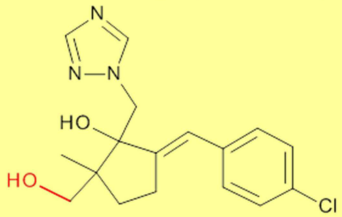
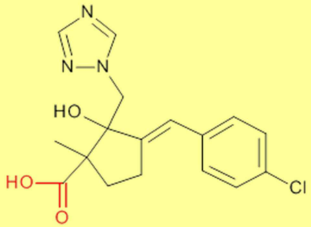
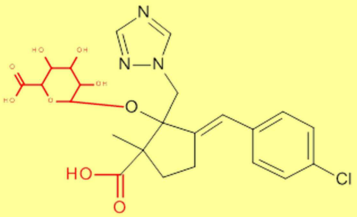
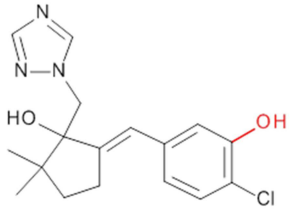
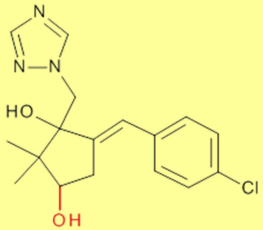
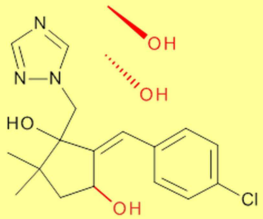
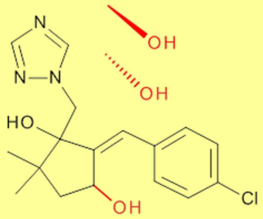
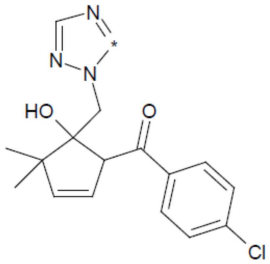
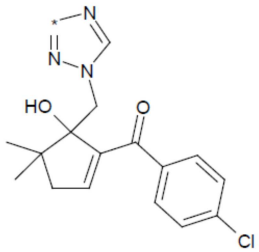
Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
RPA406203 (z-Isomer)  Cereals (straw)	Not included, not necessary (not genotoxic based on data)	Not included, not necessary (not genotoxic based on data)	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).
M595F005 **RPA 404886 (R4, 5079247)**  Goat (faeces) Rat (faeces) Rotational crop (wheat straw) Cereals (grain, straw)	Genotoxicity TTC not exceeded **Chronic:** Max 3,4 % (WHO Cluster diet B) **Acute**: Children: 5,8 % Adults: 3,1 % **Genotoxicity TTC not exceeded; anyhow no concern since metabolite covered by parent substance**	Genotoxicity TTC not exceeded **Chronic:** Max 4,1 % (DK Child, wheat) **Acute**: Children (%): 5,8 Wheat 2,5 Rye 1,6 Oats 0,7 Barley Adults (%): 3,1 Wheat 2,9 Barley 1,9 Rye 0,6 Oats **Genotoxicity TTC not exceeded; anyhow no concern since metabolite covered by parent substance**	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).

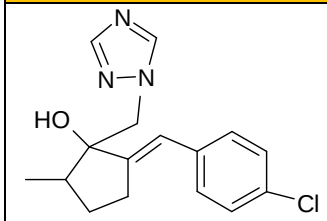
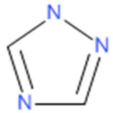
Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
M595F0006 (RPA406972, 5079450)  Goat (liver, kidney, muscle, excreta, bile) Rat faeces and urine	**Genotoxicity TTC exceeded** **Chronic:** Max 7,6 % (IE adult, sheep liver) **Acute**: Children (%): **145,2 Bovine: Liver** 66,3 Bovine: Kidney 22,3 Swine: Kidney 20,0 Swine: Liver 5,4 Sheep: Meat Adults: 36,6 Bovine: Liver 22,5 Bovine: Kidney 18,8 Swine: Kidney 15,4 Sheep: Liver 9,0 Swine: Liver **Although genotoxicity TTC exceeded – no concern; metabolite covered by parent substance**	**Genotoxicity TTC exceeded** **Chronic:** Max 11,9% (IE adult, sheep liver) **Acute**: Children (%): **218,8 Bovine: Liver** 99,3 Bovine: Kidney 33,4 Swine: Kidney 30,1 Swine: Liver 8,3 Sheep: Meat Adults: 73,1 Bovine: Liver 44,8 Bovine: Kidney 37,6 Swine: Kidney 34,0 Sheep: Liver 18,0 Swine: Liver **Although genotoxicity TTC exceeded – no concern; metabolite covered by parent substance**	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).
M595F010  Goat (liver and bile)	**Genotoxicity TTC exceeded** **Chronic:** Max 6,2 % (IE adult, sheep liver) **Acute**: Children (%): **125,9 Bovine: Liver** 17,3 Swine: Liver Adults (%): 42,1 Bovine: Liver 18,9 Sheep: Liver 10,3 Swine: Liver	**Genotoxicity TTC exceeded** **Chronic:** Max 9,8 % (IE adult, sheep liver) **Acute**: Children (%): **191,1 Bovine: Liver** 26,3 Swine: Liver Adults (%): 63,8 Bovine: Liver 29,6 Sheep: Liver 15,7 Swine: Liver	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
	Although genotoxicity TTC exceeded – no concern; metabolite covered by parent substance	**Although genotoxicity TTC exceeded – no concern; metabolite covered by parent substance**		
M595F013 **RPA 407922 (R1, 5079288)**  Cereals (straw, hay)	Metabolite in feed item, therefore contributing to dietary burden of livestock. Captured in PRIMo via food of animal origin.	Metabolite in feed item, therefore contributing to dietary burden of livestock. Captured in PRIMo via food of animal origin.	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).
M595F007 **RPA 406780 (R5, 5079286)**  Rat (urine; at levels below the sensitivity of the radioactivity detector used for quantification of metabolites) Cereals (forage, straw)	Genotoxicity TTC not exceeded **Chronic:** Max 3,4 % (WHO Cluster diet B) **Acute**: Children: 5,8 % Adults: 3,1 %	Genotoxicity TTC not exceeded **Chronic:** Max 4,1 % (DK Child, wheat) **Acute**: Children (%): 5,8 Wheat 2,5 Rye 1,6 Oats 0,7 Barley Adults (%): 3,1 Wheat 2,9 Barley 1,9 Rye 0,6 Oats	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
M595F001 **RPA 404766 (R2, 5079285)**  Rat (urine; at levels below the sensitivity of the radioactivity detector used for quantification of metabolites) Rotational crop (wheat straw) Cereals (grain, forage, hay and straw)	Genotoxicity TTC not exceeded **Chronic:** Max 6,8 % (WHO Cluster diet B) **Acute**: Children: 11,6 % Adults: 6,3 %	Genotoxicity TTC not exceeded **Chronic:** Max 8,3 % (DK Child, wheat) **Acute**: Children (%): 11,6 Wheat 5,1 Rye 3,2 Oats 1,4 Barley Adults (%): 6,3 Wheat 5,8 Barley 3,9 Rye 1,1 Oats	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).
M595F002 **RPA 406341 (5059144)**  Rat (urine; at levels below the sensitivity of the radioactivity detector used for quantification of metabolites) Rotational crop (wheat straw)	Genotoxicity TTC not exceeded **Chronic:** Max 13,7 % (WHO Cluster diet B) **Acute**: Children: 23,1 % Adults: 12,5 %	Genotoxicity TTC not exceeded **Chronic:** Max 16,5 % (DK Child, wheat) **Acute**: Children (%): 23,1 Wheat 10,1 Rye 6,4 Oats 2,8 Barley Adults (%): 12,5 Wheat 11,6 Barley 7,8 Rye 2,3 Oats	Acute and chronic TTC: Not exceeded (based on sum results).	Acute and chronic TTC: Not exceeded (based on sum results).

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
Cereals (grain, forage, and straw)				

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
M595F004 (tentative)  Or isomer  Cereals (straw, hay)	Metabolite in feed item, therefore contributing to dietary burden of livestock. Captured in PRIMo via food of animal origin.	Metabolite in feed item, therefore contributing to dietary burden of livestock. Captured in PRIMo via food of animal origin.	Metabolite in feed item, therefore contributing to dietary burden of livestock. **No TTC exceedance via food of animal origin observed**.	Metabolite in feed item, therefore contributing to dietary burden of livestock. **No TTC exceedance via food of animal origin observed**.
M595F015 (tentative) Cereals (straw)	Metabolite in feed item, therefore contributing to dietary burden of livestock. Captured in PRIMo via food of animal origin.	Metabolite in feed item, therefore contributing to dietary burden of livestock. Captured in PRIMo via food of animal origin.	Metabolite in feed item, therefore contributing to dietary burden of livestock. **No TTC exceedance via food of animal origin observed**.	Metabolite in feed item, therefore contributing to dietary burden of livestock. **No TTC exceedance via food of animal origin observed**.
R3, 47010773	Metabolite in feed item, therefore contributing to dietary burden of	Metabolite in feed item, therefore contributing to dietary	Acute and chronic TTC: Not exceeded	Acute and chronic TTC: Not exceeded

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
 Cereals (straw, hay)	livestock. Captured in PRIMo via food of animal origin.	burden of livestock. Captured in PRIMo via food of animal origin.	(based on sum results).	(based on sum results).
Triazole alanine (R9, 270412)  Cereals (grain, forage, hay and straw)	Not included, not necessary (not genotoxic based on data)	Not included, not necessary (not genotoxic based on data)	Not included, not necessary (own reference values available)	Not included, not necessary (own reference values available)
1,2,4-triazole M595F009 (87084)  Goat (muscle and milk)	Not included, not necessary (not genotoxic based on data)	Not included, not necessary (not genotoxic based on data)	Not included, not necessary (own reference values available)	Not included, not necessary (own reference values available)
SUM Plant	Genotoxicity TTC not exceeded **Chronic:** Max 27,3 % (WHO Cluster diet B) **Acute**:	Genotoxicity TTC not exceeded **Chronic:** Max 33,0 % (DK Child, Wheat) **Acute**:	Acute and chronic TTC: Not exceeded **Chronic:** <0,1 **Acute**: Children: 0	Acute and chronic TTC: Not exceeded **Chronic:** Max 0,1 (DK child, wheat) **Acute**: Children: 0

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
	Children: 46,2 % Adults: 25,0 %	Children (%): 46,2 Wheat 20,2 Rye 12,7 Oats 5,7 Barley Adults (%): 25,0 Wheat 23,2 Barley 15,5 Rye 4,6 Oats	Adults: 0	Adults: 0
SUM Livestock	**Genotoxicity TTC exceeded** **Chronic**: Max 14% (IE adult, sheep liver) **Acute**: Children (%): **258,2 Bovine: Liver** 66,3 Bovine: Kidney 35,6 Swine: Liver 22,3 Swine: Kidney 5,4 Sheep: Meat Adults: 86,3 Bovine: Liver 41,0 Sheep: Liver 29,9 Bovine: Kidney 25,1 Swine: Kidney 21,2 Swine: Liver	**Genotoxicity TTC exceeded** **Chronic**: Max 21,7 % (IE adult, sheep liver) **Acute**: Children (%): **419,6 Bovine: Liver** 99,4 Bovine: Kidney 57,8 Swine: Liver 33,5 Swine: Kidney 8,3 Sheep: Meat Adults: **140,2 Bovine: Liver** 63,6 Sheep: Liver 44,9 Bovine: Kidney 37,6 Swine: Kidney 34,5 Swine: Liver	Acute and chronic TTC: Not exceeded **Chronic:** <0,1 **Acute**: Children: 0,1 Bovine: Liver 0,0 Bovine: Kidney 0,0 Swine: Liver 0,0 Swine: Kidney 0,0 Sheep: Meat Adults: 0,0 Bovine: Liver 0,0 Sheep: Liver 0,0 Bovine: Kidney 0,0 Swine: Kidney 0,0 Swine: Liver	Acute and chronic TTC: Not exceeded **Chronic:** <0,1 **Acute**: Children: 0,2 Bovine: Liver 0,0 Bovine: Kidney 0,0 Swine: Liver 0,0 Swine: Kidney 0,0 Sheep: Meat Adults: 01 Bovine: Liver 0,0 Sheep: Liver 0,0 Bovine: Kidney 0,0 Swine: Kidney 0,0 Swine: Liver
SUM Plant and Livestock	**Genotoxicity TTC exceeded** **Chronic**: Max 31,5 % (WHO Cluster diet B, wheat) **Acute**: Children (%): **258,2 Bovine: Liver** 66,3 Bovine: Kidney 46,2 Wheat 35,6 Swine: Liver 22,3 Swine: Kidney Adults: 86,3 Bovine: Liver 41,0 Sheep: Liver 29,9 Bovine: Kidney	**Genotoxicity TTC exceeded** **Chronic**: Max 39,6 % (DK Child, wheat)) **Acute**: Children (%): **419,6 Bovine: Liver** 99,4 Bovine: Kidney 57,8 Swine: Liver 46,2 Wheat 33,5 Swine: Kidney Adults: **140,2 Bovine: Liver** 63,6 Sheep: Liver 44,9 Bovine: Kidney	Acute and chronic TTC: Not exceeded **Chronic:** Max 0,1 (WHO Cluster diet B, wheat) **Acute**: 0,1 Bovine: Liver 0,0 Bovine: Kidney 0,0 Wheat 0,0 Swine: Liver 0,0 Swine: Kidney Adults: 0,0 Bovine: Liver 0,0 Sheep: Liver	Acute and chronic TTC: Not exceeded **Chronic:** Max 0,1 (DK child, wheat) **Acute**: 0,2 Bovine: Liver 0,0 Bovine: Kidney 0,0 Wheat 0,0 Swine: Liver 0,0 Swine: Kidney Adults: 0,1 Bovine: Liver 0,0 Sheep: Liver 0,0 Wheat

Assessment / Metabolite	**Genotoxicity [1] (representative crop - wheat)** (% of reference doses)	**Genotoxicity [2] (other cereals)** (% of reference doses)	**General toxicity [1] (representative crop - wheat)** (% of reference doses)	**General toxicity [2] (other cereals)** (% of reference doses)
	25,1 Swine: Kidney 25,0 Wheat	37,6 Swine: Kidney 34,5 Swine: Liver	0,0 Wheat 0,0 Bovine: Kidney 0,0 Swine: Kidney	0,0 Bovine: Kidney 0,0 Swine: Kidney

Genotox [1]: Identified metabolites, **plus 2 proposed (tentative) structures**, without triazole-alanin, 1,2,4-triazole, RPA406203 (z-isomer), **only wheat**, genotox TTC reference value of 0.0025 µg/kg bw/d

Genotox [2]: Identified metabolites, **plus 2 proposed (tentative) structures**, without triazole-alanin, 1,2,4-triazole, RPA406203 (z-isomer), **Cereals** (wheat, barley, rye, oats, triticale), genotox TTC reference value of 0.0025 µg/kg bw/d

General toxicity [1]: Identified metabolites, **plus 2 proposed (tentative) structures**, without triazole-alanin, 1,2,4-triazole, **only wheat**, general toxicity TTC reference value of 1.5 µg/kg bw/d (chronic) and 5.1 µg/kg bw/d (acute)

General toxicity [2]: Identified metabolites, **plus 2 proposed (tentative) structures**, without triazole-alanin, 1,2,4-triazole, **Cereals** (wheat, barley, rye, oats, triticale),, general toxicity TTC reference value of 1.5 µg/kg bw/d (chronic) and 5.1 µg/kg bw/d (acute)