Queries to the Author

Chapter Number: 10

Chapter Title: Overview of a Proposed Ecological Risk Assessment Process for Honey bees (*Apis mellifera*) and Non-*Apis* Bees

Query	Description	Author's Response
1.	**Section:** Figures **Author:** Captions are not provided for Figures 10.1, 10.2, 10.3, 10.4, and 10.5. Please check.	
2.	**Section:** Global **Author:** The complete list of headings as appearing in the chapter is given below. Please check whether they have been given as intended. Please specify the change to be implemented, if any. 10.1 INTRODUCTION 10.2 PROTECTION GOALS, ASSESSMENT AND MEASUREMENT ENDPOINTS, TRIGGER VALUES FOR TRANSITIONING TO HIGHER LEVELS OF REFINEMENT, AND RISK ASSESSMENT TERMINOLOGY 10.3 RISK ASSESSMENT FLOWCHARTS 10.4 SPRAY APPLICATIONS 10.5 SOIL AND SEED TREATMENT APPLICATIONS FOR SYSTEMIC	

SUBSTANCES

10.6 SCREENING-LEVEL RISK ASSESSMENTS (TIER 1)

10.7 FACTORS LIMITING CERTAINTY IN THE SCREENING STEP

10.8 REFINEMENT OPTIONS FOR RISK ASSESSMENT

10.9 REFINEMENT OPTIONS FOR SPRAY APPLICATIONS

10.9.1 REFINEMENT OPTIONS – APIS ADULTS

10.9.2 REFINEMENT OPTIONS – APIS LARVAE

10.9.3 REFINEMENT OPTIONS – NON-APIS ADULTS

10.9.3.1 Exposure

10.9.3.2 Effects

10.9.3.3 Risk Characterization (Estimation)

10.9.4 REFINEMENT OPTIONS – NON-APIS LARVAE

10.9.4.1 Exposure

10.9.4.2 Effects 10.9.4.3 Risk Characterization (Estimation) 10.10 SOIL OR SEED TREATMENT APPLICATION FOR SYSTEMIC SUBSTANCES (ALSO INCLUDING TRUNK INJECTION) **10.10.1 EXPOSURE CHARACTERIZATION – APIS AND NON-APIS** **10.10.2 EFFECT CHARACTERIZATION – ADULT APIS** **10.10.3 RISK CHARACTERIZATION (ESTIMATION)** 10.11 CONCLUSIONS ON THE RISKS AND RECOMMENDATIONS 10.12 RECOMMENDING RISK MITIGATION MEASURES 10.13 ADDITIONAL TOOLS IN SUPPORT OF RISK ASSESSMENT AND TO INFORM RISK MANAGEMENT **10.13.1 MODELING TOOLS** REFERENCES	
3. **Section:** Footnotes	

	Author: Footnotes given for citations "USEPA, 1992" and "USEPA, 1998" have been removed since the footnotes were repeated in the reference list. Please check and confirm.	
4.	**Section:** Text **Author:** The following references are cited in the text but the bibliographic details are not provided in the reference list. Please provide the same or advise whether the citations need to be removed. • EC, 2001 • EPPO, 2010 • EC, 2010 • EFSA, 2009 • Thompson and Hunt, 1999 • Abbott et al. 1998	
5.	**Section:** Text **Author:** In Chapter 6, the term "problem formulation" is abbreviated and followed throughout the text as "PF." Please check and confirm whether the same can be applied in all chapters.	
6.	**Section:** Text **Author:** Please provide the expansions for the following abbreviations if deemed necessary. • "EPPO" • "LOC" • "WIIS" • "NOEC"	
7.	**Section:** Soil and Seed Treatment Applications	

	for Systemic Substances **Author:** Please check the sentence "Figures 10-4 and 10-5 depict the […]that are systemic in nature." for clarity.	
8.	**Section:** Refinement Options – *Apis* adults **Author:** Please check and confirm whether "screening-level assessment" need to be replaced by "Tier 1 assessment" throughout the text.	
9.	**Section:** Refinement Options---*Apis* Larvae **Author:** Please check whether "dose/response relationship" need to be changed to "dose--response relationship."	
10.	**Section:** Refinement Options---Non-*Apis* adults **Author:** Please check the section number provided in the sentence "The same considerations with regard to the generation and use of these data apply (see section 2.1.1.1)."	
11.	**Section:** Text **Author:** Please specify the section names to be referred while citing terms from other chapters as in "see Chapter 8, Hazard, Field for methods and advantages of field tests on non-*Apis* bees"; "[…]discussed in Chapter 8 (laboratory studies) and Chapter 9 (semi-field/full field studies)" throughout the text.	
12.	**Section:** References **Author:** Please provide the editor names if deemed necessary for "Candolfi MP, Barrett KL, Campbell PJ, Forster R, Grandy N, Huet MC, Lewis G, Oomen PA, Schmuck R, Vogt H. 2001.""	

13.	**Section:** References **Author:** Please provide the bibliographic details for "Gradish AE, Scott-Dupree CD, Cutler GC. 2011a." if published.	
14.	**Section:** References **Author:** Please provide the last accessed date for "http://www.epa.gov/espp/consultation/ecorisk-overview.pdf" .	
15.	**Section:** Table 10.1 **Author:** Please check whether the sentence "Population size and stability on the crop/in the boundaries" can be changed to "Population size and stability of the crop/in the boundaries"	
16.	**Section:** References **Author:** In-text citations for the following references are not provided. Please check. • Alix A, Lewis G. 2010 • Alix A, Bakker F, Barrett K, Brühl CA, Coulson M, Hoy S, Jansen JP, Jepson P, Lewis, Neumann P, Süßenbach D, van Vliet P. 2011 • Barrett K, Grandy N, Harrisson EG, Hassan S, Oomen P. (eds). 1994. • Devillers J, Decourtye A, Budzinski H, Pham-Delègue MH, Cluzeau S, Maurin G. 2003 • Miles MJ, Alix A. 2011 • Vaughn M, Shepherd M, Kremen C,	

Black SH. 2007 • Winston M. 1987	