

Harmful Non-Indigenous Species in Hawaii

Tuesday, December 24, 1996

Page 1

This questionnaire is designed to gather information regarding Harmful Non-Indigenous Species which are currently or potentially present in the state of Hawaii.

Your name: _____

Organization: _____

Address: _____

Other: Phone (voice): _____ fax: _____ e-mail: _____

Date you completed this questionnaire: _____

Your comments (use back of page if necessary; please indicate if back of page is used) :

Return questionnaire to :

Philip Thomas
c/o HEAR
P.O. Box 1272
Puunene (Maui), HI 96784

Refer questions to :

Philip Thomas
c/o HEAR
P.O Box 1272
Puunene (Maui), HI 96784

e-mail: pt@hear.org (best contact method)
voice (808) 891-1754
fax (n/a)

Instructions :

For each species, please answer all questions about which you have particular knowledge.

Your answers will be entered into a database. Therefore, unless the list of options is preceded by "e.g.", please choose ONLY from the options in parentheses (or) following the question. Include additional information in a corresponding (or general/misc) "notes" area. (If you feel that a category should be ADDED to the database, please indicate this by entering "see notes RE: [...]" as the answer to the specific question, then indicate in the corresponding note the new option you think should be added, and why.)

For any questions that require more space than is provided for a thorough answer, please answer on the back of the sheet and/or a separate piece of paper. In this case, PLEASE BE SURE TO INDICATE THE QUESTION NUMBER TO WHICH THE ANSWER APPLIES.

#1. SPECIES:

Ref: HNIS.DB:Taxon code

#2. Please provide a GENERAL PHYSICAL DESCRIPTION of this species (size, growth form, identifying characteristics, etc.).

Ref: HNIS.DB:HNIS description

#3. What is the Federal Noxious Weed Act status of this species (Y=Yes, it's federally listed as a Noxious Weed; N=No, it's NOT federally listed as a Noxious Weed; ?=don't know)?

Y N ?

Ref: HNIS.DB:FedNoxiousWeedActStatus

Harmful Non-Indigenous Species in Hawaii

Tuesday, December 24, 1996

Page 2

#4. What is the Federal Seed Act status of this species (Y=Yes, it's federally listed as a restricted seed; N=No, it's NOT federally listed as a restricted seed; ?=don't know)?

Y N ?

Ref: HNIS.DB:FedSeedActStatus

#5. What is the local Noxious Weed status of this species (Y=Yes, it's locally listed as a Noxious Weed; N=No, it's NOT locally listed as a Noxious Weed; ?=don't know)?

Y N ?

Ref: HNIS.DB:LocalNoxiousWeedStatus

#6. What is the local Seed Act status of this species (Y=Yes, it's locally listed as a restricted seed; N=No, it's NOT locally listed as a restricted seed; ?=don't know)?

Y N ?

Ref: HNIS.DB:LocalSeedActStatus

#7. Identify the NATIVE range of this species by CIRCLING one or more of the following:

Africa, Antarctica, Asia, New Zealand, Australia, Oceania (non-continental islands), Europe, North America, South America, pantropical, neotropics, pandemic, unknown

Ref: HNIS.DB:Native_to_where

#8. Provide details and/or other notes regarding the distribution within the NATIVE range of this species.

Ref: HNIS.DB:Native_to_where_notes

#9. Describe the climate of the NATIVE range of this species (e.g., if known: climatic zone(s); elevational & latitudinal ranges; annual precipitation; mean, max, min temperatures; number of drought months per year; evapotranspiration values; seasonal extremes of all parameters).

Ref: HNIS.DB:Native_climate

#10. Describe any relevant aspects of the biology and ecology of this species not already described in answer to another question (again, see the "Weed Selection Model" for ideas).

Ref: HNIS.DB:Other_biology_and_ecology

#11. What is the nature of the value of this species to humans (choose one or more)?

MEDICINE FOOD HORTICULTURE OTHER NONE UNKNOWN

Ref: HNIS.DB:Value to humans

#12. Provide details and/or other notes RE: the value of this species to humans.

Ref: HNIS.DB:Value_to_humans_notes

Harmful Non-Indigenous Species in Hawaii

Tuesday, December 24, 1996

Page 3

#13. List BRIEFLY* attempted/successful control strategies for this species (e.g. manual control, aerial/manually applied chemical control, biocontrol). (*Provide details in following question.)

Ref: HNIS.DB:Control_strategies

#14. Provide details and/or other notes RE: control strategies that have been attempted for this species (including notes RE: success of each method).

Ref: HNIS.DB:Control_strategies_notes

#15. Describe the specific problems caused by this species in areas OTHER THAN Hawaii (include details of locations, extent of problem, etc.).

Ref: HNIS.DB:Problems_elsewhere_notes

#16. Describe the specific problems caused by this species in Hawaii (include details of locations, extent of problem, etc.).

Ref: HNIS.DB:Problems_locally_notes

#17. Describe the history of this species in Hawaii (e.g. circumstances under which this species was initially brought into the state; the history of its spread within the state; significant events [e.g. any known dates/circumstances of accidental/intentional introduction to different islands]; major control programs/efforts/successes, programs; etc.).

Ref: HNIS.DB:Local_history

Harmful Non-Indigenous Species in Hawaii

Tuesday, December 24, 1996

Page 4

#18. Who are the key contact people RE: control and/or other relevant information this species, both within and outside Hawaii (include addresses, phone numbers, fax numbers, e-mail, AND brief description of each person's expertise)?

Ref: HNIS.DB:Key_contacts

#19. What are the primary characteristics of this species that cause it to be problematic (see the "Weed Selection Model" for ideas)?

Ref: HNIS.DB:Invasive_attributes

#20. Describe the attributes of the ecosystems typically affected by this species (rainfall, temperature, elevation, vegetation type, etc.).

Ref: HNIS.DB:Invaded_ecosys_attributes

#21. Add any other information pertinent to this species which didn't fit into the category of any previous question.

Ref: HNIS.DB:Misc_notes

#22. Provide references to any good line drawings and/or photos of this species which might be useful for educational purposes (particularly--but not exclusively--noncopyrighted, or those which permission to reproduce [for educational purposes] might be obtained).

Ref: HNIS.DB:LineDrawing_source

Harmful Non-Indigenous Species in Hawaii

Tuesday, December 24, 1996

Page 5

#23. Please list any websites of which you are aware that contain valuable information about this species (particularly information about its biology and ecology, examples of its invasiveness, or control strategies).

Ref: HNIS.DB:Relevant websites

Please record any additional comments(RE: questionnaire format, etc.) in the "Your comments" section on the first page of this questionnaire. Thanks!
