

APPENDIX 5.B Annual Review Form

Student Name: _____ Date: _____

Major Professor: _____

Committee Members: _____

Projected Dissertation Title: _____

Is the student making satisfactory progress?

Are there any adjustments to the student's project or approach that should be made to enhance progress?

SIGNATURES

Student: _____ Major Professor: _____

Committee Members: _____

APPENDIX 5.C Sample Curricula- these are suggestions only and not meant to represent tracks in the doctoral program. The course plan for students should be approved by the student's graduate committee.

GENERAL HORTICULTURE CURRICULUM

1. Fruit and/or vegetable production. **3 credits.** (Hort 345, 370)
2. Nursery and/or greenhouse management. **3 credits.** (Hort 334, 335)
3. Biochemistry. **3 credits.** (Biochem 501, 601, 621)
4. A second course in statistics or experimental design. **3 credits.** (Agron 771, 772, Stats 572)
5. A total of **ten credits** chosen from classes in 3 of the 5 areas listed below.

| | |
|-----------------------------|--|
| Plant Structure | Botany 300 - Plant anatomy Botany 860 - Plant cell biology |
| Plant Breeding and Genetics | Hort 561- Introductory cytogenetics Hort 501 - Principles of plant breeding Hort 502 - Techniques of plant breeding Agron 850 - Advanced plant breeding |
| Physiology | Botany 500 - Plant physiology Hort 320 - Environment of Horticultural Plants |
| Plant Nutrition and Soils | Soils 326 - Plant nutrition management Soils 622 - Soil Physics Soils 626 - Mineral nutrition of plants |
| Taxonomy and Ecology | Botany 400 - Plant systematics Botany 401 - Vascular flora of Wisconsin Botany 460 - General ecology Botany 402 - Dendrology IES 461 - Environmental systems concepts IES 462 - Environmental systems methods |

PLANT BREEDING CURRICULUM

1. General biochemistry. **3 credits**. (Biochem 501, 601, 621)

2. All of the following plant breeding courses or equivalent. **7 credits**.

- Hort 501 - Principles of plant breeding
- Hort 502 - Techniques of plant breeding
- Agron 850 - Advanced plant breeding

3. A total of **6 credits** chosen from the two categories below. At least 2 credits must be taken in each category.

Genetics, Genomics, and Molecular Biology

- Hort 550 - Molecular approaches for potential crop improvement
- Hort 555 - Plant functional genomics and bioinformatics
- Hort 561 - Introductory cytogenetics
- Genetics 701 - Advanced genetics
- Genetics 703 - Topics in eukaryotic regulation
- Botany 840 - Regulatory mechanisms in plant development

Quantitative Genetics and Biometry

- Stats 572 - Statistical methods for bioscience II
- Agron 771 - Experimental design
- Agron 772 - Applications in ANOVA
- Hort 811 - Biometrical procedures in plant breeding

4. A total of **3 credits** of Hort 957 (Plant Breeding Seminar) obtained by enrolling in the class for three semesters and obtaining a passing grade for each semester.