

INDEX

1. INTRODUCTION.....	1
1.1. Citrus and Tristeza	4
1.2. CTV genome	6
1.3. Resistance to CTV.....	8
1.4. CTV and RNA silencing	11
1.5. RNAi against CTV.....	17
2. OBJECTIVES	29
3.1. CHAPTER 1.....	33
Transformation of Mexican lime with an intron-hairpin construct expressing untranslatable versions of the genes coding for the three silencing suppressors of <i>Citrus tristeza virus</i> confers complete resistance to the virus.	
3.1.1. Introduction	36
3.1.2. Results	41
3.1.3. Discussion	56
3.1.4. Experimental procedures.....	62
3.2. CHAPTER 2.....	77
<i>Citrus tristeza virus</i> p23: Determinants for Nucleolar Localization and Their Influence on Suppression of RNA Silencing and Pathogenesis.	

3.2.1. Introduction	80
3.2.2. Results	82
3.2.3. Discussion	101
3.2.4. Materials and methods	107
3.3. CHAPTER 3.....	121
Symptoms induced by transgenic expression of p23 from <i>Citrus</i> <i>tristeza virus</i> in phloem-associated cells of Mexican lime mimic virus infection and do not include aberrations accompanying constitutive expression.	
3.3.1. Introduction	124
3.3.2. Results and discussion.....	128
3.3.3. Experimental procedures.....	141
4. GENERAL DISCUSSION AND OUTLOOK.....	153
5. CONCLUSIONS.....	167
6. REFERENCES.....	177