Gantt Chart of Project Timeline 4/1/2020-3/31/2022 **LEGEND** Primary Task – red bar Effective Management of Thousand Cankers Disease of Walnut through Disruption of Insect Vector Behavior Completed Task – Filled bar Incomplete Task – Open bar Richard Bostock, UC Davis Year 2 Milestone for task Year 1 **Objectives (Responsible PI)** U U Ε Α U U 0 and Tasks Ν В Objective 1 (Bostock, Seybold) Task 1: Complete analyses of extracts for candidates with potential to influence WTB behavior Task 2: Assess candidates as WTB attractants or feeding stimulants Task 3: Field test repellent mix in presence of MBO Task 4: Process samples and analyze data from field Objective 2 (Bostock, Kluepfel) Task 1: Compare chemistry of bark from healthy vs. crown gall- and/or shallow bark-diseased trees. Task 2: Process tumor-emergent WTBs for presence of A. tumefaciens. Objective 3 (Bostock, Seybold) Task 1: Survey orchards for WTB entrance/ emergence holes in trunks and branches in relation to incidence/severity of crown gall (winter) and stem canker diseases (summer) and stem water potentials (summer) Task 2: Create TCD risk-rating system based on outcome of orchard surveys Objective 4 (Fichtner, Bostock, Seybold, Kluepfel) Task 1: Conduct education/outreach program and coordinate with UCCE Orchard Systems Advisors. Present at workshops, grower meetings, etc. Task 2: Update existing TCD information resources and develop new content