

DATA SHEET FOR MONITORING CROP POLLINATION

Farm Name: _____ Field Name: _____

Size of field monitored (acres or sq feet): _____ Crop: _____

OPTIONAL: Date commercial bees placed in field: _____ Date bees removed: _____

Commercial bee type (circle): Bumble bee Honey bee Both Neither

INSTRUCTIONS: Visit your crop field or orchard at start of bloom, during peak bloom, and again near end of bloom. If possible, visit when weather conditions are good and bees are mostly likely to be out (e.g. temp. above 55°F, wind is 10mph or less, sunny). Go about 1/3 of the way into the field, then walk slowly down a crop row for 10 minutes, looking at one side of the row and counting all the bees and other insects you see visiting crop flowers, marking the chart below as you go. If you reach the end of a row, turn up the neighboring pathway and count a new row. Count honey bees, bumble bees, and all other bees or insects you see that are touching open flowers.

Date sampled	Number of bumble bees working flowers	Number of honey bees working flowers	Number of other bees or insects working flowers	Temperature, wind, and sky condition (circle)
Visit 1: Start bloom Date: ____/____/____ Person's name sampling: _____	e.g. # # #			<55F 56-85F >85F *Calm, Light breeze, Gentle breeze Part sun Sunny Cloudy
Visit 2: Peak bloom Date: ____/____/____ Person's name sampling: _____				<55F 56-85F >85F *Calm, Light breeze, Gentle breeze Part sun Sunny Cloudy
Visit 3: Near end of bloom Date: ____/____/____ Person's name sampling: _____				<55F 56-85F >85F *Calm, Light breeze, Gentle breeze Part sun Sunny Cloudy

**National Weather Service visual clues for estimating wind speed: Calm, smoke rises vertically with little if any drift. Light breeze (4-7mph), wind felt on face, leaves rustle. Gentle breeze (8-12mph), leaves in constant motion, wind blows up dry leaves from the ground, flags are extended out.*

Additional field conditions comments (e.g. recent spray, lots of flowering weeds present, etc): _____

This monitoring worksheet has been adapted and modified from a version found on page 39, Appendix 3, in:

K. Ullmann, R. Isaacs, M. Vaughan, E. May, J. Ellis, N. Williams, T. Pitts-Singer, N. Boyle, J. Cane, K. Ward, J. Gibbs, N. Joshi, & D. Biddinger. 2017. Guide to Integrated Crop Pollination. Portland, OR. Integrated Crop Pollination Project.

Learn more from The Integrated Crop Pollination Project, <http://icpbees.org/>.