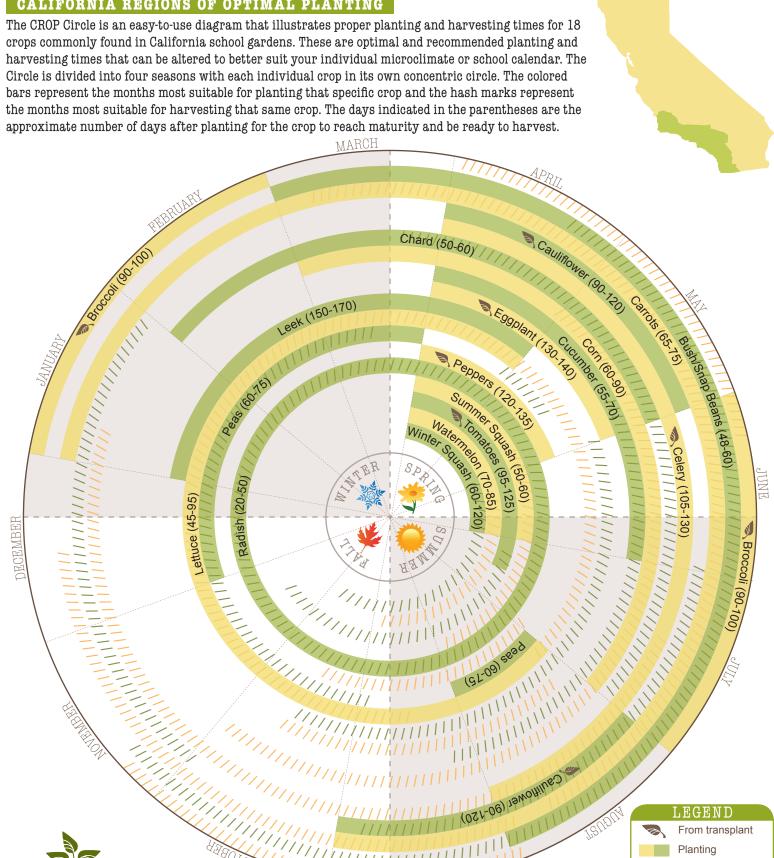
CROP CITCLES CALIFORNIA REGIONS OF OPTIMAL PLANTING

California Foundation for Agriculture in the Classroom REGION 4: SOUTHERN COAST

/// Harvesting (20-50) Days until harvest



CROP CITCLES MATH ACTIVITIES

School gardens are a valuable instrument for teaching core curricular subjects such as English-language arts, mathematics, science, history-social science, health, and visual and performing arts—all with an agricultural twist. The possibilities are endless! Here are a few examples of how to use this resource as a relevant tool to teach key math concepts, seasonality and plant growth, all while encouraging student interaction with the natural world. For more ideas on how to incorporate this resource into your classroom curriculum, visit www.LearnAboutAg.org/cropcircles.

Using the information located on the CROP Circle, choose five different crops and determine the mean (average) number of days until harvest for each crop. Round your answer to the nearest whole number.

Example:

Radish (20-50 days until harvest)

$$\frac{20+50}{2} = 35$$

e:

Grade 4: Number Sense (NS) 1.3; Mathematical Reasoning (MR) 1.0, 2.5; Grade 5: Statistics, Data Analysis and Probability (SDP) 1.1; MR 1.0, 2.5; Grade 6: SDP 1.1

If you plant summer squash on June 30, on what approximate day can you plan to harvest? Assume the average number of days to harvest.

If you want to harvest chard on May 10, approximately what day should you plant the crop? Assume the average number of days to harvest.

Using the CROP Circle diagram as a guide, determine the number of months each crop can be planted out of the year. Represent your findings in the form of a decimal, fraction and percent.

Example:

Broccoli is planted in the months of January, February, June and July. You can plant broccoli four months out of the 12 months of the year.

Decimal: .33 Fraction: 1/3 Percentage: 33%

Which crop can you plant the most months of the year?

Grade 4: NS 1.6, 1.7, 3.2, 3.4; MR 2.3; Grade 5: NS 1.2; MR 2.3; Grade 6: NS 1.2; MR 2.4

The following table illustrates the mean (average) number of days it takes for several crops to reach maturity and be ready for harvest. Complete the chart and create a bar graph to represent your data.

to Harvest
70

