

What do you want?

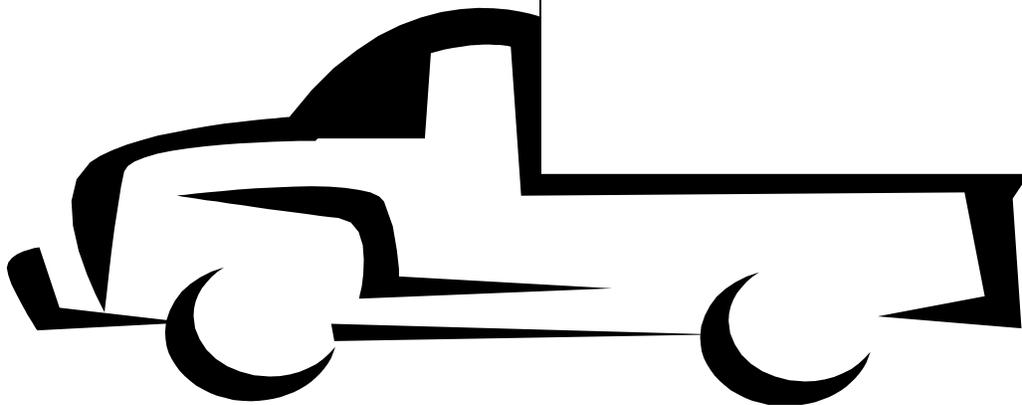
Factors to Consider

(To be used with pre-planting lesson)

If you could purchase a vehicle, what characteristics would you like that vehicle to have?



What are other important factors to consider when purchasing a vehicle?



What are some concerns you might have when purchasing that vehicle?



Where would you purchase that vehicle from?

Are there resources you can use to help you in selecting your vehicle?



Pre-Planting Factors



Crops have hybrids which allows you to select various characteristics desired which fit the best into one's management practices. Climate also plays a large role into determining the proper seed selection.

Corn Hybrid Selection

Several important factors to consider when selecting corn hybrids are:

_____ – the length of time it takes for corn to grow from the day it is planted until the kernels are mature (safe from frost)

_____ – difficult to predict due to factors such as the number of ears on a plant, the ear size, the number of kernel rows, length of the ear, or the kernel size

_____ – the ability of a plant to stand up on its own until harvest

Other factors to consider:

Germination rate & vigor, disease resistance, stress tolerance, insect resistance, herbicide resistance, how you plan to use the corn (selling it vs. feeding to livestock) and how reliable the dealer is whom you purchase the seed

Soybean Hybrid Selection

In addition to selecting a soybean variety that has high yield potential, is resistant to falling over or lodging, is good quality seed, and tolerates diseases and nematodes, there is another important factor to consider when selecting soybean seeds.

_____ – This is important since day length varies according to how far north of the equator a location is. A variety should not be planted much farther north or south for the region which it is intended.

_____ controls flowering and maturity of soybeans. (As day length is shorter, soybean plants start to mature and lose their leaves.)

Other than hybrids, what else should be considered when planting corn and/or soybeans?

- Planting date
- Seeding rate
- Soil temperature
- Planting depth, Planting time, Planting population
- Planter parts/drill parts
- Seed treatments

Probability of Frost for Fillmore County, NE:
Each winter, on average, risk of frost is from October 11 through April 23.
Almost certainly, however, we will receive frost from October 25 through April 8.
We are almost guaranteed to not get frost from May 8 through September 27.
Frost-free growing season is around 171 days.

What do you want?

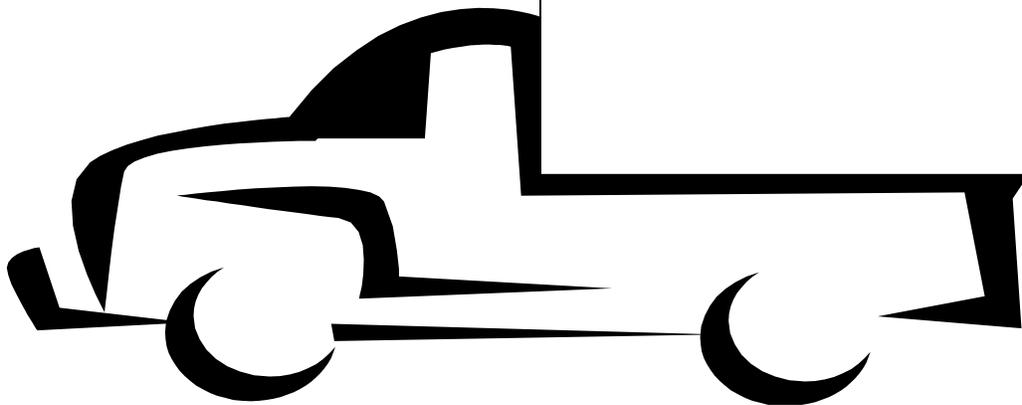
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Pre-Planting Factors

ANSWER KEY



Crops have hybrids which allows you to select various characteristics desired which fit the best into one's management practices. Climate also plays a large role into determining the proper seed selection.

Corn Hybrid Selection

Several important factors to consider when selecting corn hybrids are:

Maturity Time – the length of time it takes for corn to grow from the day it is planted until the kernels are mature (safe from frost)

Yield – difficult to predict due to factors such as the number of ears on a plant, the ear size, the number of kernel rows, length of the ear, or the kernel size

Standability – the ability of a plant to stand up on its own until harvest

Other factors to consider:

Germination rate & vigor, disease resistance, stress tolerance, insect resistance, herbicide resistance, how you plan to use the corn (selling it vs. feeding to livestock) and how reliable the dealer is whom you purchase the seed

Soybean Hybrid Selection

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Soybean maturity zones – This is important since day length varies according to how far north of the equator a location is. A variety should not be planted much farther north or south for the region which it is intended.

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Probability of Frost for Fillmore County, NE:

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Other Considerations for Corn

Careful selection of hybrids with a range in maturity may spread out harvest while minimizing field losses and drying costs. To assure early maturity, plant a short season hybrid early. Follow with a midseason and then with a full season to spread out the time for optimal harvest. Achieving the top yield of an early hybrid may require increasing the plant population. Consider "full season" to be a hybrid that will reach physiological maturity five to 15 days before normal frost date.

Source: Archived NebGuide, Choosing Corn Hybrids