

An Introduction to Depreciation

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- None of what is presented should be considered legal or tax advice
- This presentation is for educational purposes and may contains some generalizations
- Consult with trusted tax professionals on your individual situation

What is depreciation?

- Agricultural producers
 purchase a variety of items
 for use in their business
- Many items are consumed within 12 months of purchase and are deducted as an expense
 - Seed, fertilizer, feed, etc.



What is depreciation?

- Cost of property with a useful life greater than one year is generally recovered over a number of years
- Recovery occurs through an income tax deduction for depreciation



What property is depreciated?

- Generally, property that:
 - You own
 - Is used in your business or income generating activity
 - Has a determinable useful life
 - Expected to last longer than one year



What do we need to know?

- Date placed in service
- Basis of property
- Depreciation convention
- Recovery period
- Depreciation method
- Amount of §179 expense deduction
- Special Depreciation Allowance (bonus depreciation)

Date placed in service

- Property is placed in service when it is ready and available for a specific use
- It is not required that the property actually be used for that specific purpose by the date it is placed in service
- Example: Amaija purchased a planter on 12/12/24 which was delivered to her farm on 12/14/24. She first used it for planting on 4/1/25
 - Date placed in service is December 14, 2024

Basis of property

- Basis of personal property generally includes:
 - Cost of the property
 - Expenses for delivery, assembly, or installation
 - Sales tax paid at purchase
- Property basis includes any portion of purchase price paid with cash as well as any portion financed

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Basis of property

- After 2017, when a purchase includes a trade-in, the basis of the new property is equal to:
 - The portion purchased with cash or financing, plus
 - The amount allowed for the property given up
- Example: Jace purchased a tractor with \$50,000 of cash and traded-in an older tractor valued at \$75,000. His basis in the new tractor is \$125,000 (\$50,000 trade difference plus \$75,000 trade allowance)
 - For tax purposes, Jace treats the trade-in as if it was sold for \$75,000

- Depreciation convention determines the portion of the year that depreciation is claimed in the year the property is placed in service
- Generally, either half-year or mid-quarter convention will apply to machinery, equipment, agricultural buildings, or livestock used for draft, breeding, or dairy purposes
- The mid-month convention applies to residential rental property and nonresidential real property

- In general, the half-year convention applies
- Except when more that 40% of the total depreciable bases of applicable property is placed in service in the last quarter of the year, mid-quarter convention applies
- Excluded from this calculation:
 - Nonresidential real property
 - Residential rental property
 - Property placed in service and disposed of in the same year
 - Amounts deducted using §179 expense deduction

- When the half-year convention applies, depreciation begins at the mid-point of the year (6 months of depreciation)
- When the mid-quarter convention applies depreciation begins at the mid-point of the quarter the property was placed in service
 - Ist quarter = 7/8 of the year or $10 \frac{1}{2}$ months
 - 2^{nd} quarter = 5/8 of the year or 7 $\frac{1}{2}$ months
 - 3^{rd} quarter = 3/8 of the year or $4\frac{1}{2}$ months
 - 4^{th} quarter = 1/8 of the year or $1 \frac{1}{2}$ months

- Example: Pearce purchased a grain cart on July 10 for \$65,000 and corn header on October 20 for \$60,000. Because more than 40% of basis was placed in service the 4th quarter, the mid-quarter convention applies
 - \bullet 60,000/(65,000+60,000) = 48%
 - 3/8 of a year of depreciation for the grain cart
 - 1/8 of a year of depreciation for the corn header

Recovery period

- The number of years that property is depreciated is the recovery period, with two options available:
 - General Depreciation System (GDS)
 - Alternative Depreciation System (ADS)
- In most cases, GDS is used but a taxpayer can elect to use ADS to increase the recovery period (in most cases) and decrease the amount of depreciation taken in the year the property is placed in service

Recovery period

 Recovery period is determined by referencing Table 7.1, Farm Property Recovery Periods in IRS Publication 225 — Farmers Tax Guide

Table 7-1.	Farm	Prope	rtv Rec	overv	Periods
			,		

	Recovery Period in Years		
Assets	GDS	ADS	
Agricultural structures (single purpose)	10	15	
Automobiles	5	5	
Calculators and copiers	5	6	
Cattle (dairy or breeding)	5	7	
Communication equipment ¹	7	10	
Computer and peripheral equipment	5	5	
Drainage facilities	15	20	
Farm buildings ²	20	25	
New farm machinery and equipment ³	5	10	
Used farm machinery and equipment	7	10	
Fences (agricultural)	7	10	
Goats and sheep (breeding)	5	5	
Grain bin	7	10	
Hogs (breeding)	3	3	
Horses (age when placed in service)			
Breeding and working (12 years or less)	7	10	
Breeding and working (more than 12 years)	3	10	
Racing horses (more than 2 years)	3	12	

Recovery period

- Even though the recovery period is a specified number of years, depreciation deductions occur over an additional income tax year because property is only depreciated for a portion of the year it is placed in service
- Example: Courtney purchased a used hay baler which would be depreciated for 7 years under GDS. If the half-year convention applies, she will claim:
 - Half year of depreciation for the year placed in service
 - Full year of depreciation in years 2 through 7
 - Half-year of depreciation in year 8

Depreciation method

- Depreciation method determines the timing of depreciation deductions
- For farm property placed in service after 2017 with a recovery period of 3-, 5-, 7-, or 10-years, the default depreciation method is GDS 200% declining balance
 - For this property, elections are available to use GDS 150% declining balance, GDS straight line, or ADS straight line

Depreciation method

- For farm property with a recovery period of 15- or 20-years the default depreciation method is GDS 150% declining balance
 - For this property, elections are available to use either GDS straight line or ADS straight line
- An election to change depreciation method applies to all property within a class life but does not impact the depreciation method for property with a different class life
- IRS Pub 946 How to Depreciate Property Appendix A

§179 Expense deduction

- Election available to expense part or all of the cost of qualifying property in the year placed in service allowing considerable flexibility in tax planning
- Election is made separately for each property
- Qualifying property is generally:
 - Agricultural machinery and equipment
 - Livestock used for draft, breeding, or dairy purposes
 - Grain storage facilities
 - Single purpose agricultural and horticultural structures
 - Irrigation equipment and field drainage tile

§179 Expense deduction

- §179 is subject to a dollar limit (\$1,220,000 for 2024)
- §179 deduction is limited to business income including:
 - Wages earned as an employee,
 - Farm or non-farm business income (Schedule F or Schedule C)
 - Certain income from a pass-through entity
 - Gain from the sale of business property (excluding the sale of land)
- §179 deduction dollar limit is reduced by \$1 for every \$1 of investment over a limit (\$3,050,000 for 2024)

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Special depreciation allowance

- Special depreciation allowance is commonly referred to as bonus depreciation
- Allows for a deduction of a percentage of property basis in the year the property is placed in service (60% in 2024 and 40% in 2025)
- Bonus applies to property with a GDS recovery period of 20years or less, so nearly all depreciable agricultural property is eligible

Special depreciation allowance

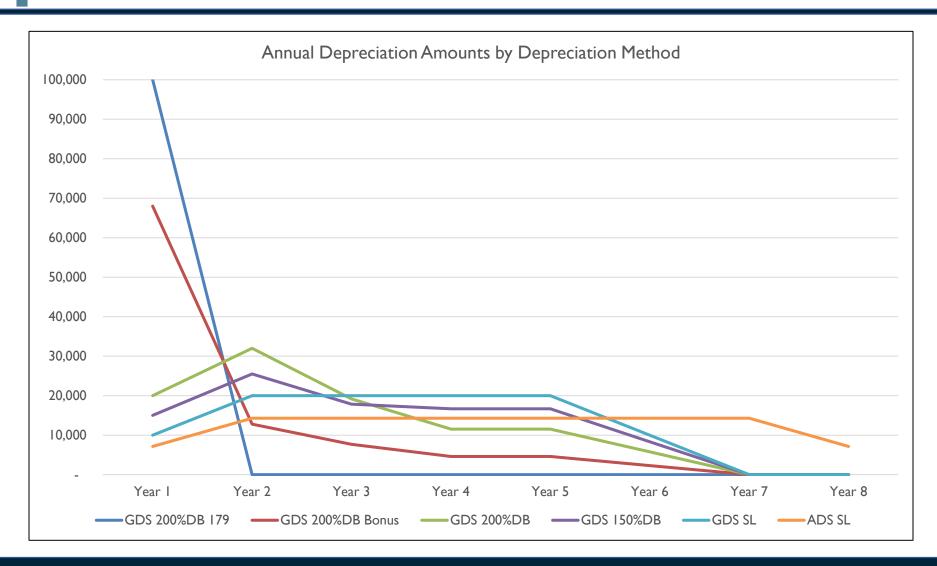
- Bonus depreciation applies to qualifying property by default so a taxpayer must elect to <u>not</u> take
- Election to not take bonus depreciation applies to all property within a class life
- Separate election must be made for each class life
- §179 deduction is taken before special depreciation allowance
- Although useful, special depreciation allowance may provide less flexible than §179 deduction

Depreciation differences

Example: Justin purchased a new tractor for \$100,000. He discusses potential depreciation options with his income tax preparer who provides the following table of options:

	Year I	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
§179 Deduction	100,000							
60% Bonus + GDS 200DB	68,000	12,800	7,680	4,608	4,608	2,304		
GDS 200DB	20,000	32,000	19,200	11,520	11,520	5,760		
GDS 150DB	15,000	25,500	17,850	16,660	16,660	8,330		
GDS SL	10,000	20,000	20,000	20,000	20,000	10,000		
ADS SL	7,140	14,290	14,290	14,280	14,290	14,280	14,290	7,140

Depreciation differences



Planning thoughts....

- Elections related to depreciation are made at the time of tax preparation time, providing flexibility after-the-fact
- Accelerated depreciation (§179 or bonus depreciation) will reduce depreciation deductions available in future years so evaluate the benefit of the deduction now versus in the future
- Some states do not follow federal rules for §179 deduction or bonus depreciation
- Annual limits on depreciation for certain cars, pickups, or SUVs adds complexity

Resources

IRS Publication 225 – Farmers Tax Guide

https://www.irs.gov/pub/irs-pdf/p225.pdf

IRS Publication 946 – How to Depreciation Property

https://www.irs.gov/pub/irs-pdf/p946.pdf

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Questions?



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