

Using Weed Badger[®] year-round

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How can I use my Weed Badger® year-round in my vineyard?

Weed Badger® offers many tools, attachments, and options to maintain the vineyard year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field use **Weed Badger Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** will allow late season "Badgering" even after grape cane has dropped close to the ground.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor Shroud Assembly**. Organic matter is the

"sponge" in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tith below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen fruit, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned canes and twigs away from the row. Prunings lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

There are many other vineyard jobs Weed Badger® can perform during the season.

- Switch to the Model **3875 Mower Attachment**. Maintain permanent cover and mow with precision.
- Clean up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.

- Improve the appearance of the entire vineyard property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.
- Shape berms, beds, and borders. Hill-up, hill-down, maintain under-canopy terrain, berms, or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have

instant ground cover protection in the driveways between the rows. Cleanup an out-of-control weed situation.

Weed Badger[®] allows growers to perform effective weed control regardless of wind, impending weather, or the vineyard's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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Can I use a Weed Badger® year-round in an orchard?

Weed Badger® offers many tools, attachments, and options to maintain the orchard year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field, use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air. A clean cultivated strip provides frost protection as more solar heat is retained by clean soil.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** will allow late season "Badgering".

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor**

Shroud Assembly. Organic matter is the "sponge" in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen fruit, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned branches, fallen fruit, and twigs away from the row. Prunings lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

There are many other orchard jobs Weed Badger® can perform during the season:

- Switch to the Model **3875 Mower Attachment**. Maintain permanent cover and mow with precision.
- Clean up the field perimeter. Kill weeds and widen out borders at up to seven MPH

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using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.

- Improve the appearance of the entire ranch property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms, or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than

cultivating the entire field. You'll have instant ground cover protection in the driveways between rows. Cleanup an out-of-control weed situation.

Weed Badger[®] allows growers to perform effective weed control regardless of wind, impending weather, or the orchard's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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How many jobs year-round can I accomplish with Weed Badger® in the nursery?

Weed Badger® offers many tools, attachments, and options to maintain the nursery year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** protects low branches on conifers and tender lower branches on shrubs.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor**

Shroud Assembly. Organic matter is the "sponge" in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen debris, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings, up to 3½ inches in diameter, from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned branches and twigs away from the row. Branches lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can also move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

There are many other nursery jobs Weed Badger® can perform during the season.

- Switch to the Model **3875 Mower Attachment**. Maintain permanent cover and mow with precision.

- Cleanup up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.
- Improve the appearance of the entire nursery property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have instant ground cover protection in the

driveways between rows. Cleanup an out-of-control weed situation.

- Go from the field to the landscape job site using these tools for site preparation and landscape maintenance. You'll also find many uses for the Weed Badger® in your display gardens and plantings.

Weed Badger® allows growers to perform effective weed control regardless of wind, impending weather, or the nursery's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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Can Weed Badger® be used for more tasks in blueberries?

Weed Badger® offers many tools, attachments, and options to maintain blueberries year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** will allow late season "Badgering" when fruit is on the bush.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor Shroud Assembly**. Organic matter is the "sponge" in the soil. The organic matter is now

where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen debris, leaves and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**. Mummy Berry is best controlled by fall cleanup with your Weed Badger®.

Winter – Rake or sweep prunings from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned canes and twigs away from the row. Prunings lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

There are many other blueberry jobs Weed Badger® can perform during the season.

- When blueberry plants mature switch to the **Model 3875 Mower Attachment**. Maintain permanent cover in mature berries and mow with precision.
- Cleanup up the field perimeter. Kill weeds and widen out borders at up to seven MPH

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using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.

- Improve the appearance of the property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than

cultivating the entire field. You'll have instant ground cover protection in the driveways between rows.

Weed Badger[®] allows growers to perform effective weed control regardless of wind, impending weather, or the blueberry plantation's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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What other in-row tasks can be accomplished year-round in caneberries?

Weed Badger® offers many tools, attachments, and options to maintain caneberries year-round. Following is a sample timeline utilizing Weed Badger in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** will allow late season "Badgering" when fruit is on the bush.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor**

Shroud Assembly. Organic matter is the "sponge" in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent disease, insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen debris, leaves and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned canes and twigs away from the row. Prunings lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

Other caneberry jobs Weed Badger® can perform during the season:

- Control suckers and runners by cultivation alongside continuous rows.
- Mow down old canes with the Model **3875 Mower Attachment**.

- Cleanup up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.
- Improve the appearance of the property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.

- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have instant ground cover protection in the driveways between rows.

Weed Badger® allows growers to perform effective weed control regardless of wind, impending weather, or the caneberry's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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Are there ways I can use Weed Badger® year-round in citrus and other groves?

Weed Badger® offers many tools, attachments, and options to maintain the grove year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools in citrus, mangoes, papayas, avocados, other groves once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field, use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air. A clean cultivated strip provides frost protection as more solar heat is retained by clean soil.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular “Badgering” starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** will prevent teeth from rubbing low branches and fruit and allow late season “Badgering”.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor Shroud Assembly**. Organic matter is the “sponge” in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After “Badgering” there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen fruit, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned branches, fallen fruit, and twigs away from the row. Prunings lie in a straight windrow for chopping, disk, or other removal methods. This greatly reduces hand labor. You can move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

Other jobs in groves that Weed Badger® can perform during the season:

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- Switch to the Model **3875 Mower Attachment**. Maintain permanent cover and mow with precision.
- Clean up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.
- Improve the appearance of the entire ranch property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms, or terraces the way you want with rotor pitch, tilt, and

direction of rotation adjustments using **Reverse Magnum Coil Tines**.

- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have instant ground cover protection in the driveways between rows. Cleanup an out-of-control weed situation.

Weed Badger[®] allows growers to perform effective weed control regardless of wind, impending weather, or the grove's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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How can I use a Weed Badger® all year in trees?

Weed Badger® offers many tools, attachments, and options to maintain the trees year-round. Following is a sample timeline utilizing Weed Badger in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** protects low branches on conifers and tender lower branches on shrubs.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor Shroud Assembly**. Organic matter is the "sponge" in the soil. The organic matter is now

where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen debris, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings, up to 3½ inches in diameter, from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned branches and twigs away from the row. Branches lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can also move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

Other tree jobs Weed Badger® can perform during the season:

- Switch to the Model **3875 Mower Attachment**. Maintain permanent cover and mow with precision.
- Cleanup up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.

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- Improve the appearance of the entire property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to visitors.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have instant ground cover protection in the

driveways between rows. Cleanup an out-of-control weed situation.

- Go from the field to yard using these tools for site preparation and landscape maintenance. You'll also find many uses for the Weed Badger® in your gardens and plantings.

Weed Badger® allows growers to perform effective weed control regardless of wind, impending weather, or the trees' stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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Can I use Weed Badger® for other jobs during the year in a tree farm?

Weed Badger® offers many tools, attachments, and options to maintain tree farms year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** protects low branches on conifers and tender lower branches on shrubs.

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor**

Shroud Assembly. Organic matter is the "sponge" in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen debris, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings, up to 3½ inches in diameter, from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned branches and twigs away from the row. Branches lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can also move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

Other tree farm jobs Weed Badger® can perform during the season:

- Switch to the Model **3875 Mower Attachment**. Maintain permanent cover and mow with precision.

- Cleanup up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.
- Improve the appearance of the entire property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to visitors.
- Shape berms, beds, and borders. Maintain under-canopy terrain, berms or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have instant ground cover protection in the

driveways between rows. Cleanup an out-of-control weed situation.

- Go from the field to yard using these tools for site preparation and landscape maintenance. You'll also find many uses for the Weed Badger® in your gardens and plantings.

Weed Badger® allows growers to perform effective weed control regardless of wind, impending weather, or the tree farm's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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How can I use a Weed Badger® all year in a nut orchard?

Weed Badger® offers many tools, attachments, and options to maintain nut orchards year-round. Following is a sample timeline utilizing Weed Badger® in-row management tools in almonds, filberts, hazelnuts, pecans, walnuts, black walnuts, hickory nuts, and chestnuts once the Breakout Procedure has been accomplished.

Spring – As soon as it is possible to get into the field, use **Weed Badger® Magnum Coil Tines** or **Super Magnum Coil Tines**. Get weeds before they grow taller than six inches in height and before they compete for water and nutrients. Weeds haven't yet gone to seed. You move forward faster because you get weeds before reaching the problem stage. **Sweeper/Tiller Tines** can be used for sweeping winter debris off and getting those small weeds before they become bigger problems. This is your chance to destroy winter's crop of soilborne insect pests that overwinter in the strip. Eliminate potential disease sources by exposing them to sunlight and air. A clean cultivated strip provides frost protection as more solar heat is retained by clean soil.

Early summer – The second seasonal pass using **Magnum Coil Tines** should be done before regrowth of perennial weeds exceeds six inches tall. Regular "Badgering" starves perennial weeds. Deep root systems don't survive long without above ground leaves sustaining photosynthesis. Remove the top growth and even deep root systems die. They soon become fertilizer.

Mid-summer – Summer cultivation is an opportunity to improve soil tilth while again controlling weeds. Break up hard baked surface soil crusting following wet periods. Add organic matter to keep valuable moisture where it belongs, improve percolation, and prevent runoff. The **Rotor Shroud Assembly** will allow late season "Badgering".

Broadcast composted materials or soil amendments on top of the soil. Incorporate it into the top 2 inches of soil surface utilizing the **Rotor Shroud Assembly**. Organic matter is the "sponge" in the soil. The organic matter is now where roots and earthworms can utilize it. Earthworms feed, tunnel down, and deposit castings rich with nutrients far below. In the process their vertical tunnels create pathways for roots, air, and nutrients to travel even deeper. Microbial life is vital to healthy soil and introducing air and organic matter is essential to promoting soil health. Weed Badger's® unique, shallow, horizontal, rotary action aerates the in-row strip without destroying soil structure and tilth below in the root zone. Suspend the rotor with the **Hydraulic Side Lift Kit** for very shallow tillage. This also is a very helpful option when using the **Undercutter Disk Attachment**.

Late-summer – Do pre-harvest cleanup of the orchard floor. Sweep the strip clean with the **Badger Broom, Sweeper/Tiller Tines** and/or **Brush Rake Package**.

Fall – Cleanup is essential to prevent insects and rodents from overwintering in the under-canopy strip. After "Badgering" there is no inviting cover or habitat remaining. Sanitize rows. Sweep out fallen fruit, leaves, and twigs with the **Badger Broom** or **Sweeper/Tiller Tines**.

Winter – Rake or sweep prunings from your tractor seat. The **Brush Rake Package** or **Sweeper/Tiller Tines** will move pruned branches, fallen fruit, and twigs away from the row. Prunings lie in a straight windrow for chopping, disking, or other removal methods. This greatly reduces hand labor. You can move soil back into the row or build berms using **Reverse-Wound Magnum Coil Tines**. Simply change the rotor rotation to clockwise and adjust the rotor pitch and tilt.

There are many other nut orchard jobs Weed Badger[®] can perform during the season:

- Switch to the Model **3875 Mower Attachment** in mature nut orchards. Get the best of both worlds, shallow tillage for fast growth in young trees...then switch to the 3875 Mower in mature plantings. Maintain permanent cover and mow with precision.
- Clean up the field perimeter. Kill weeds and widen out borders at up to seven MPH using the **Qwik Disk Assembly**. Keep weed seeds from drifting into your fields.
- Improve the appearance of the entire ranch property. Mow, till, and sweep around buildings and under fencelines. Clean fields, farms, fencelines, and building perimeters present a showplace look to customers.

- Shape berms, beds, and borders. Maintain under-canopy terrain, berms, or terraces the way you want with rotor pitch, tilt, and direction of rotation adjustments using **Reverse Magnum Coil Tines**.
- Open planting strips in sod using the **Cyclone Spade Assembly** rather than cultivating the entire field. You'll have instant ground cover protection in the driveways between rows. Cleanup an out-of-control weed situation.

Weed Badger[®] allows growers to perform effective weed control regardless of wind, impending weather, or the orchard's stage of growth. Licensing, container disposal, and liability associated with herbicide applications are not a concern.

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How can I use my Weed Badger® to improve the appearance of my property?

Use your Weed Badger® in ways you never imagined:

- Switch to the Model **3875 Mower Attachment** to mow under fence, along building foundations, under hedgerows, ponds, ditch banks, road shoulders, masonry and stone walls...anyplace you would otherwise use a string trimmer.
- Use the **Rotor with Magnum Coil Tines** or **Sweeper/Tiller Teeth** and adjust to just skim, scrape, or plane the surface of turf. You can take vegetation down to the soil surface without destroying turf under fencelines, for example. This will allow more time before regrowth. Scour weeds and grass growing in graveled driveways and parking lots.
- **Brush Rake Teeth** can grub out and remove debris and trash that tend to build up under mature evergreens, large shrubs, and bushes. Brush Rake Teeth are also

useful under fenceline or areas where you need to reach under the edge of a boardwalk or deck.

- Use the standard **Magnum Coil Tines** to cultivate garden and bedded areas. The unique cultivation of a Weed Badger® rotor and tines will care for all your precision cultivation needs leaving soil in perfect shape for planting and sanitized before winter sets in.

There are hundreds of uses for Weed Badger® precision in-row rotary tillage and mowing...as many as you can imagine.

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Is Weed Badger® beneficial for all growers?

Weed Badger® provides benefits for all growers whether organic, IPM, sustainable or conventional. Growers ask, “Is the Weed Badger® designed just for organic growers?” The answer is “No.” True, Weed Badger® has a very strong place in organic weed, pest, and disease management. It is a major boost for IPM. However, in 1979 when we began manufacturing

in-row rotary tillage and mowing equipment there were few commercial organic growers. We continue to work factory-direct with horticultural growers with all types of crops across the entire continent. The Weed Badger® system is effective for conventional, IPM, and organic growers.

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How can a Weed Badger[®] be used in parks, ball fields, and playgrounds?

Weed Badger[®] in-row rotary tillage equipment has obvious benefits to growers of horticultural crops. However, there are so many other Park and Recreation Department uses for this equipment. The video footage demonstrates a wide range of uses in addition to these listed below.

STIRRING MULCH: The exclusive design of Weed Badger[®] vertical tines combined with controlled rotation speed is ideal for stirring mulch in playgrounds:

- **DEPTH:** You can easily adjust the Posi-Depth Plate so tines extend up to 4 inches deep. This isn't advised for tilling in trees, but to reach down in wood chips or mulch it's ideal.
- **ROTATION SPEED** or RPM is controlled by hydraulic flow. So for example, if working with the Model SS600 mounted on a skid steer just throttle back or reduce the flow. Slow rotation is important so the

mulch material is not broken into small pieces or thrown out of place.

- **CONTAINMENT:** The Rotor Shroud is essential to contain the mulch while tines rip out weeds and grass. The action of the vertical tines bring the lighter mulch up to the surface, while the heavier soil, sand, and rock fall to the base. You end up with a clean, aerated, and rejuvenated mulch bed.

EDGING BALL FIELDS or track and field sites works much the same way except with shallow depth. It would be best to set the depth at about 2 inches. Again, the Rotor Shroud is essential for this operation. Lighter sand and aggregate is left on top with a perfect turf edge.

FENCELINE AND BUILDING

PERIMETERS are easy to maintain as well as gravel or stone driveways, paths, and walkways.

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How can Weed Badger® be used along fenceline, stone walls, foundations, masonry, or paved areas?

You will notice that the teeth are flared outward at the bottom from the rotor. This is why the designated rotor size is always smaller than the cut width or swath width. (See “*What size rotor do I need on my Weed Badger®.*”) The working tip of the tine is down into the soil at the base of the fence, wall, foundation, curb etc. The sides of the tines and rotor plate do not make contact with the finished edge you are working beside. For this reason your Weed Badger® can be used to trim around buildings, retaining walls, raised beds...to make your farm or ranch look like a showplace! The Rotor Shroud can be used to control soil movement and further separate the sides of the tines from finished vertical surfaces.

Miles of fenceline can be kept clean more effectively than mowing. As already mentioned, your Weed Badger® can be adjusted for minimal

soil disturbance. (See “*How do I adjust my Weed Badger® for very shallow tillage?*”) At this setting you can plane off grass and other vegetation right at the ground level. The roots are still intact. However, the “badgered” turf takes longer to grow again than a mowed strip. It stays neat and trim longer. When you mow open areas beside the ‘Badgered’ strip, the finished look will be as if a crew of landscapers hand trimmed it.

You can use this method effectively to clean areas under electric fenceline. Livestock are not attracted to the perimeter areas since the Badger has already “grazed it” down to the surface. This prevents tall grass from growing up and shorting out the system. The results last much longer than mowing and it is so much easier than hand trimming!

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Are there any other uses for my Weed Badger®?

Use your Weed Badger® in ways you never imagined:

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There are hundreds of uses for Weed Badger® precision in-row rotary tillage and mowing...as many as you can imagine.

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