



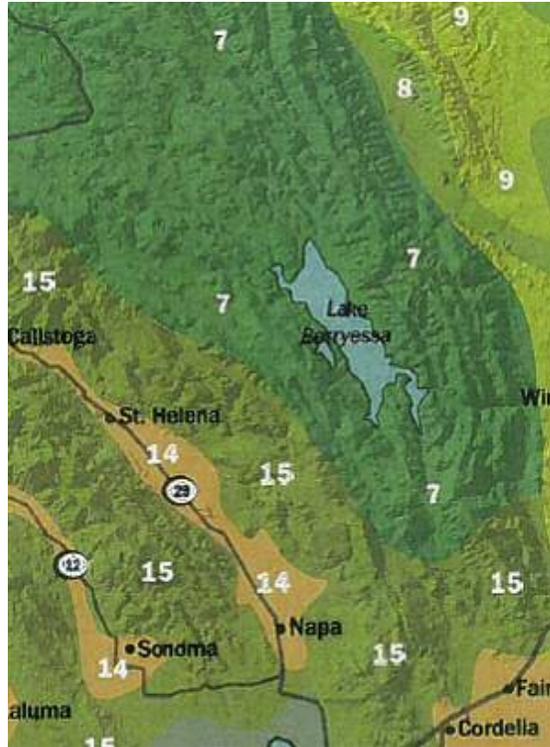
Master Gardener Program

University of California Cooperative Extension 

WINTERIZING YOUR GARDEN 2016



CLIMATE ZONES



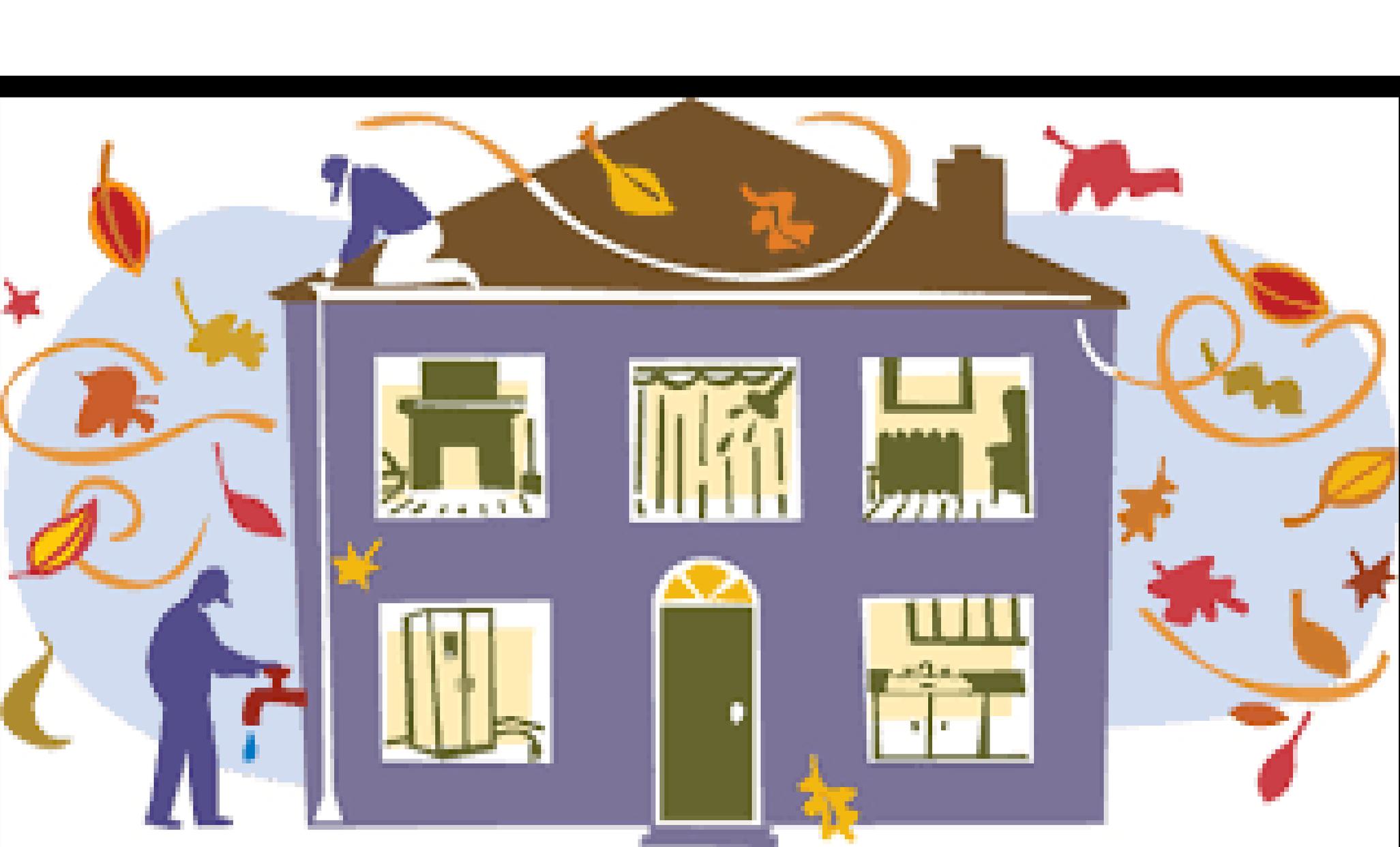
- **Zone 7: Lake Berryessa, H-35⁰ to L-26⁰ L-0⁰**
- **Zone 14: Valley floor, H-26⁰ to L-16⁰ L11⁰**
- **Zone 15: Hillsides, H-28⁰ to L-21⁰ L15⁰**



AVOID

SURPRISE

WINTERIZE!



TIDYING UP THE YARD

- **CHOP, CLIP, CUT & CLEAN**
- **REMOVE WEEDS**
- **BULBS**
- **DIVIDE PERENNIALS**
- **FLOWERS**
- **WINTER VEGGIES**
- **CROP ROTATION**
- **COVER CROPS**



PUT PATIO FURNITURE AWAY



CHOP, CLIP, CUT & CLEAN



RAKE UP DEAD LEAVES





Treat Fungus Infected Plants

Peach Leaf Curl

- Treat peach leaf curl while the tree is dormant. Use a Bordeaux blend or copper-rich fungicide.
- Always read and follow all directions on the package directions obtained from your local





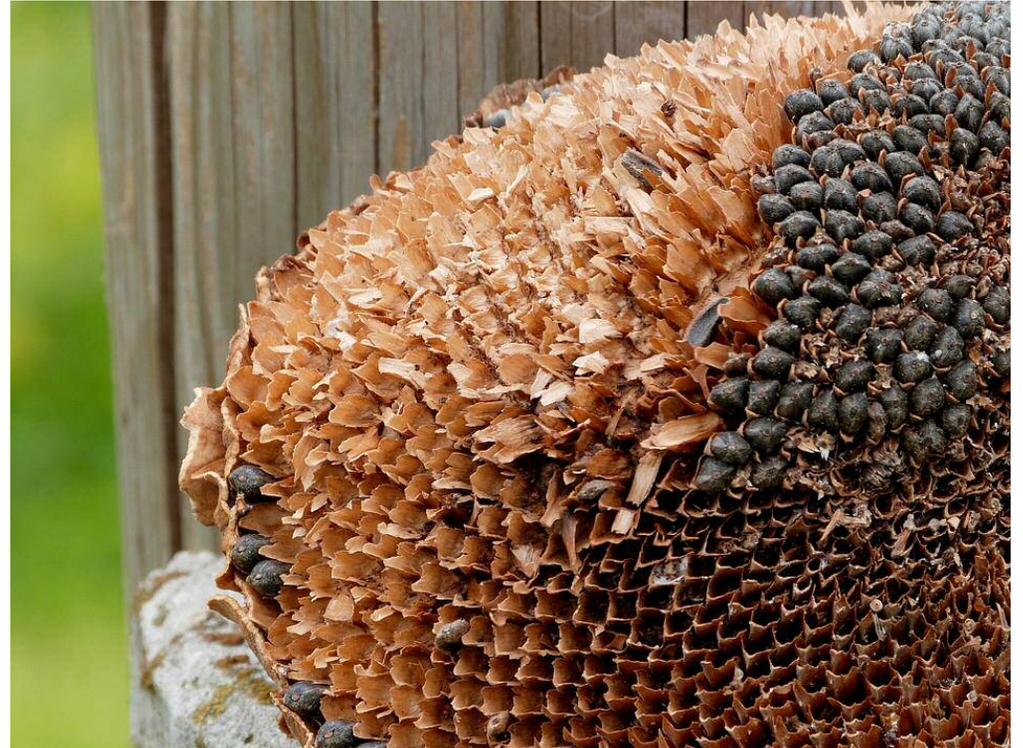
Treat Fungus Infected Plants

Roses

- Treat roses effected with powdery mildew, black spot, or rust.
- Always read and follow all directions on the package directions obtained form your local nursery.
- Always take care to apply on a still day (no wind).



LEAVE SEEDS FOR THE BIRDS





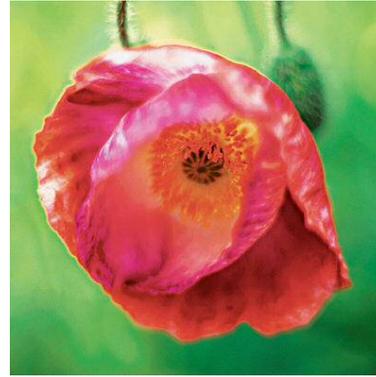
BULBS



DIVIDING PERENNIALS

- A general rule of thumb is to divide spring and summer blooming perennials in the fall.
- Any fall blooming perennials should be divided in the spring.
- A day or two before you divide, water the plants well and prune them to about 6" above the soil level.
- When ready, use a sharp bladed shovel and dig 4-6" around all four sides of the plant you wish to divide, gently lift the clump and separate the parent plant from the new plants, replacing those you wish to keep and gifting the healthy, separated bulbs or plants.





FLOWERS



PLANT A WINTER VEGGIE CROP



**TRY SOME
OF THE OLD
STANDBYS
OR MAYBE
SOMETHING
NEW**





Crop Rotation

	Area 1	Area 2	Area 3	Area 4
Year 1	 Leaves	 Fruits	 Roots	 Legumes
Year 2	 Fruits	 Roots	 Legumes	 Leaves
Year 3	 Roots	 Legumes	 Leaves	 Fruits
Year 4	 Legumes	 Leaves	 Fruits	 Roots

**VERY
IMPORTANT TO
REMEMBER TO
ROTATE YOUR
CROPS FOR
BEST YIELD AND
TO AVOID
PROBLEMS**



USING COVER CROPS

Cover crops are good for:

- Weed control
- Adding nutrients back into your garden soil via Nitrogen fixing bacteria (N-fixing rhizobia bacteria) nodules on roots*
- Providing beneficial insects and vertebrates protective cover and habitat during winter months
- They look much nicer than bare dirt!

*In order for the nutrients to fix, the crop must be tilled back into the soil prior to plant death or nutrient depletion.



N-fixing rhizobia bacteria in nodules on roots of plant



FAVORITE BACKYARD COVER CROPS

- Red clover- controls weeds, cold tolerant, frost hardy, supports aphid predators and provides forage for pollinators. Till into soil when flowering for nitrogen fixing benefits.
- Fava Beans- excellent nitrogen source with edible benefits, but does not compete well with weeds.
- Mustard- weed suppressant, nitrogen fixing, breaks up hardpan soils, edible, and can combat certain soil born pathogens. Do not allow mustard to go to seed in the garden!



PREP & PROTECT

- SOIL, COMPOST/MULCHING
- TREE, BARK PROTECTION
- WIND, ANIMAL DEFENSE & FROST PROTECTION
- WATER FEATURES
- WORMS

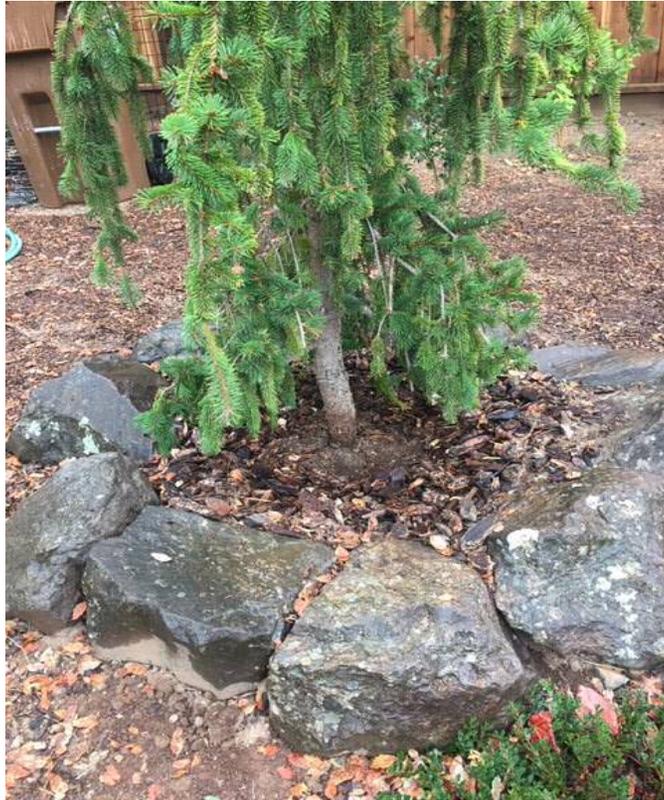


COMPOST, WOOD, ETC.

COVER
YOUR
COMPOST
BINS &
WOOD PILE



MULCHING



**MULCH
TO
PREVENT
EROSION
& WATER
RUNOFF**



BARK PROTECTION



**WRAP
THE
TRUNK**



DEER DAMAGE



WINDBREAKS & ANIMAL DEFENSE



COVER FROST SENSITIVE PLANTS



DIFFERENT OPTIONS AVAILABLE FOR FROST COVERS



WATER FEATURE



**NO. 1
RULE:
DO NOT
ALLOW
THE
PUMP
TO
FREEZE**



WORMS- VERMICULTURE



**TUCK
'EM IN!**



INSPECT TO PROTECT

OBSERVE>

DIAGNOSE>

PLAN>

ACT>

EVALUATE



NO 'DOWN TIME'

- UPDATE INFRASTRUCTURE
- STORE EMPTY POTS/CONTAINERS
 - PESTICIDES & FERTILIZERS
 - LAWN MOWER
- CLEAN, SHARPEN, LUBE & STORE



REMOVE DEBRIS FROM GUTTERS





**YOUR MAIN
GOAL IS TO
AVOID
SITUATIONS
LIKE THIS.
BE SAFE!!**



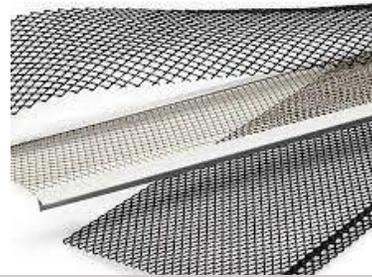
HOW TO REDUCE THIS SEASONAL CHORE



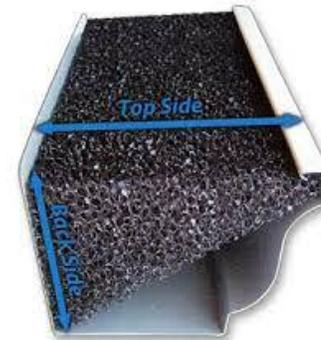
INSTALL GUTTER
COVERS YOURSELF



MANY POROUS OPTIONS WITH ONE GOAL-KEEPING DEBRIS OUT



GRATE TYPE



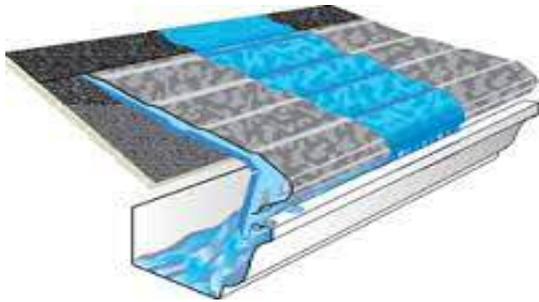
FOAM TYPE



BRUSH TYPE



MANY PROFESSIONALLY INSTALLED TYPES AVAILABLE



THE DEBRIS FLOWS OVER AND OUT WHILE WATER RUNS INTO THE GUTTER



MANAGE DOWNSPOUT FLOW



**OBJECTIVE IS TO MOVE
DOWNSPOUT FLOW AWAY
FROM THE FOUNDATION OF
BUILDINGS**



**ONE IDEA IS TO
COLLECT DOWNSPOUT
RUNOFF IN RAIN
BARRELS FOR
IRRIGATION USE IN
SUMMER**



NEW RAISED BEDS



**BUILD AND FILL
NEW RAISED BEDS
NOW & ALLOW TO
“SETTLE” DURING
THE WINTER
MONTHS.**



DIG THOSE HOLES



PLANNING ON PUTTING IN ANY BARE ROOT PLANTS THIS SEASON? AFTER THE FIRST RAIN DIG THE HOLES AND GET THEM READY FOR THE PLANTS.



CLEAN & SANITIZE EMPTY POTS & CONTAINERS



1 part

+



9 parts

=



10% Bleach
SANITIZING
SOLUTION



STORE FERTILIZERS AND PESTICIDES CORRECTLY AND DISPOSE OF THEM PROPERLY



**KEEP FERTILIZERS
SEPARATE FROM
POISONS**



COUNTY OF NAPA HAZARDOUS WASTE DISPOSAL
<http://naparecycling.com/household-hazardous-waste/>



CLEAN & SHARPEN LAWN MOWER

**#1 TO AVOID SHOCK
DISCONNECT SPARK PLUG**



**#2 TURN MOWER OVER
AND SCRAP OUT DEBRIS
AND THEN RINSE OUT WITH
WATER. ALLOW TO AIR
DRY. SPRAY WITH OIL**



**#3 TO SHARPEN BLADE REMOVE AND
SCRAPE OFF DEBRIS AND SHARPEN. OIL
LIGHTLY**



CLEAN, SHARPEN & STORE TOOLS

DO IT NOW!

- Choose your approach
- First line of attack
- Removing larger deposits
- Dealing with difficult problems
- Save those rusted tools to use another day!

STEPS:

1. Cleaning
2. Rust Removal
3. Sharpening
4. Preserving

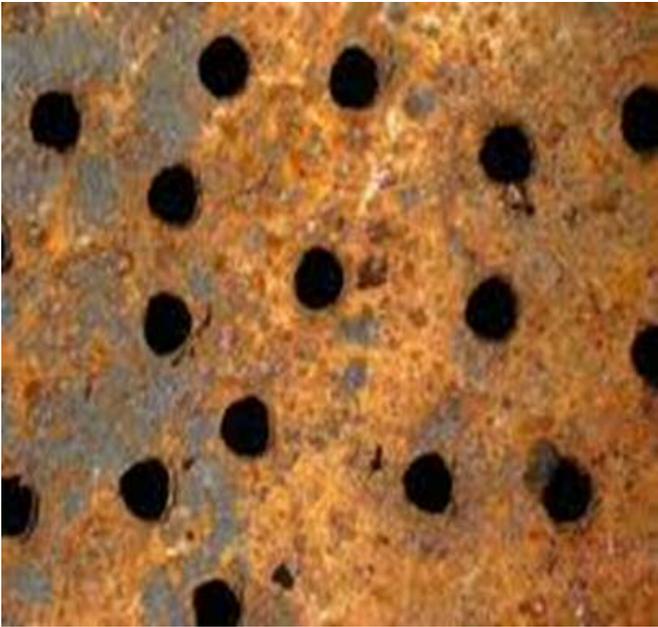


CLEANING SUPPLIES:

1. WOOD OR METAL SCRAPERS
2. RAGS &/OR SCOURING PADS
3. WIRE BRUSHES &/OR SANDPAPER
4. STEEL WOOL
5. FILES
6. WHET STONES



RUST REMOVAL



**WATER +
METAL =
RUST!!**

**CLEAN WITH
OIL & RAGS**



SHARPENING ESSENTIALS

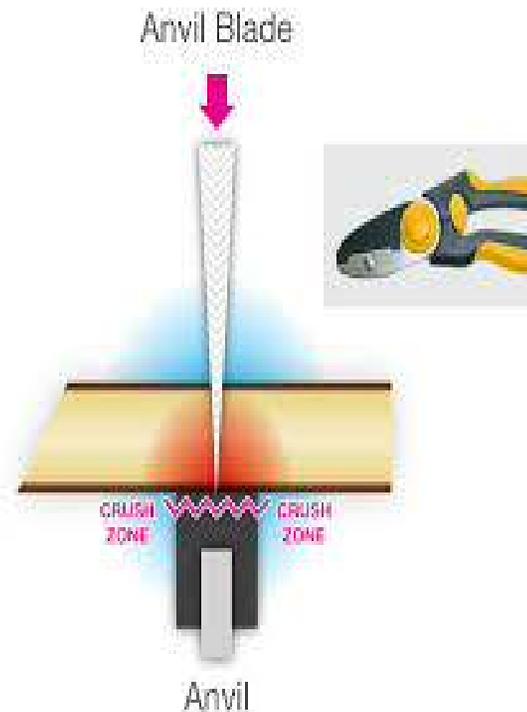
- Inspect garden tools to determine needs
- Prepare tools and supplies
- Sharpen properly
- Safety first



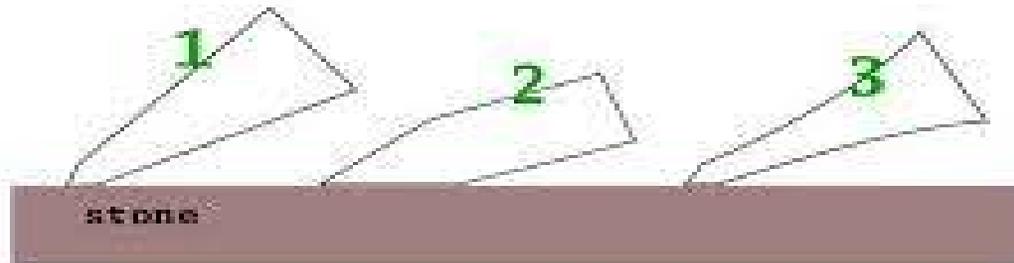
ANVIL VS BYPASS



HOW TO SHARPEN BOTH



CORRECT SHARPEING ANGLE



Finding the right angle



SHARPENING SHOVELS AND LIKE TOOLS

Impact of blade when sharpened on wrong side



WHEELBARROW



← YES

NO →

STORE
CORRECTLY



CONCLUSION QUESTIONS

PLEASE FILL OUT YOUR SURVEY

THANK YOU!



**LET'S TAKE IT
OUTSIDE FOR SOME
EXAMPLES AND
TOOL**

A decorative border at the bottom of the slide featuring a row of green grass, several white daisies with yellow centers, a small orange and black butterfly on the left, and a small green insect on the right.

MAINTENANCE