

AUGUST EDITION

SURVIVAL LIFE

MAGAZINE

DIY
FIRE
STARTER:
DRYER LINT
& FABRIC
SOFTENER

DON'T LET
THE HEAT HOLD
YOU BACK

THE BEST
BUG OUT
TECH

7
Considerations When
Going Off The Grid

Bed Bug Problem?
Kill Them The
Natural Way

BEAT THE ODDS

TRAINING TO BUG OUT IN THE MIDDLE OF SUMMER

REMEMBER
TO STAY
HYDRATED

STRONG AS THE WEAKEST LINK

Attacks on electric
grids are up 86%

BRING THE BEST WHEN YOU BUG OUT

We break down the best
tech for your bag

CONTENTS

August 2016

04

ATTACKS ON ELECTRICAL
GRIDS ARE UP 86%!

By: Robert Brenner

07

TRAINING WITH YOUR
SURVIVAL GEAR:
COMMON EXERCISES

By: Alden Morris

09

HOW TO GET RID OF BED
BUGS NATURALLY

By: Stacy Bravo

11

7 KEY POINTS TO CONSIDER
WHEN GOING OFF GRID

By: James Smith

13

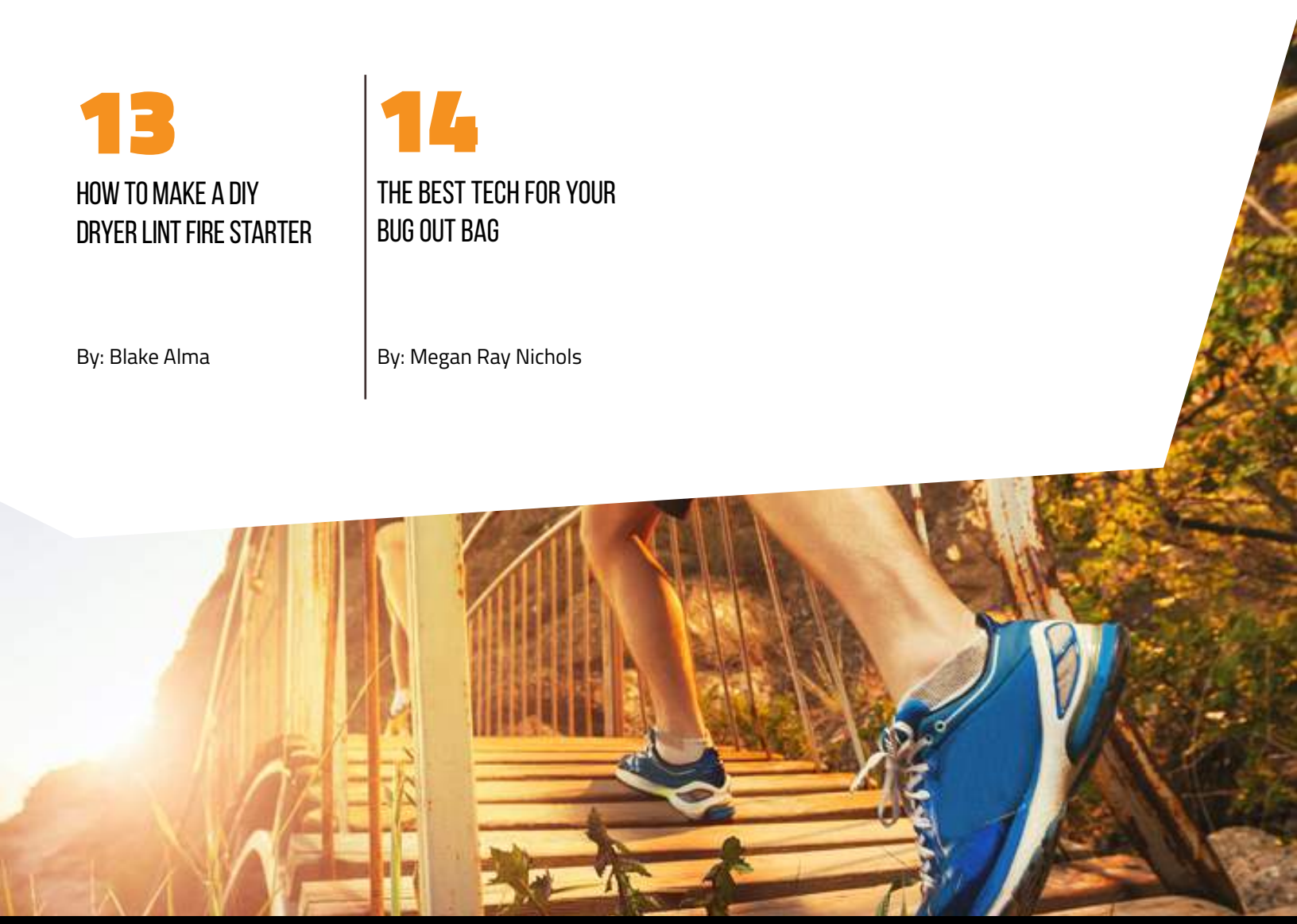
HOW TO MAKE A DIY
DRYER LINT FIRE STARTER

By: Blake Alma

14

THE BEST TECH FOR YOUR
BUG OUT BAG

By: Megan Ray Nichols



FROM THE EDITOR

DEAR SURVIVALISTS,

The dog days of summer are here again...and our electrical grid has never been more exposed. Attacks on our electrical grid are up an astounding 86% over last year. Should an attack occur on our grid, in the middle of a summer heat wave...would you know what to do in order to survive?

Are you looking at getting you and your family off the grid for good and avoiding a grid attack altogether? Make sure that you know the 7 key points you need to address before you ever put in an offer on an off grid home. (Failure

to cover these crucial points will leave you open to a huge risk!)

Should you find yourself in a bug out situation, needing to get to your new off grid home, are you confident that you can pack up and hike to your new location without getting worn out? Inside this issue we'll show you how to properly keep, carry, and care for all of your gear before you're forced to bug out. Following these simple drills and tactics will put you in the proper mindset and help you train in your gear to avoid being worn out when you need to be on the road to safety.

JUST A WORD OF WARNING... THIS ISSUE OF THE SURVIVAL LIFE MAGAZINE COULD MAKE YOUR SKIN CRAWL.

Inside this issue we also expose 6 all natural ways to dispose of bedbugs (reading this one made me itch for a week!) From duct tape to mint leaves, these little known remedies could help you avoid an uncomfortable night.

Discover all of this and more in this month's Survival Life Magazine. Read, share, discuss and remember...

WE'RE ALL IN THIS TOGETHER!

"Above Average" Joe

Editor-in-Chief
Survival Life Magazine





ATTACKS ON ELECTRICAL GRIDS UP 86%!

By: Robert Brenner

Attacks on our electrical grid are up 86% over last year! This is an ominous trend. Will it continue?

Two years ago I wrote an article describing the causes for power outages and the frequency of outages we've experienced. Once the public became aware of the risks and threats associated with power outages, government and industry leaders were pushed to minimize grid failure. The number of outages has leveled off, but the percentage of grid attacks has increased.

Here are U.S. statistics for the past 15 years based on U.S. Department of Energy records:

Year	Outages	Comments
2000	31	
2001	15	
2002	23	
2003	61	
2004	94	
2005	84	
2006	93	
2007	77	
2008	152	
2009	100	(0 recorded attacks)
2010	122	(0 recorded attacks)
2011	300	(121 attacks including 3 cyber attacks)
2012	186	(88 attacks including 3 cyber attacks)
2013	169	(75 attacks including 1 cyber attack)
2014	209	(76 attacks including 1 cyber attack)
2015	144	(41 attacks with 0 cyber attacks)
2016*	48	(25 attacks including 2 cyber attacks)

*For period January through May 2016

and 122 in 2010. Until 2010, none of the failures were attributed to vandalism or sabotage. Instead, equipment failure or human error was blamed.

This all changed in 2011. Suddenly the number of outages skyrocketed from 122 to 300. And 121 of these were attributed to suspected or physical attack. The list included three cyber attacks. Since 911, we've had a barrage of vandalism, sabotage, and cyber attacks.

We live in a huge country (3.8 million square miles, 2,500 miles across) with over 300 million people. It helps to understand where the outages occurred and learn more about the nature of these outages.

2015 POWER OUTAGES

Our country suffered 142 power outages in 2015. Figure 2 shows where these outages occurred.



POWER OUTAGES BY MONTH

Month	Power Outages
January	5
February	18
March	8
April	11
May	10
June	19
July	18
August	11
September	4
October	9
November	12
December	18

POWER OUTAGES BY CAUSE

Cause	Number
Weather	66
System Ops	29
Vandalism	28
Sabotage	12
Suspicious	4
Reduce Power Rqst	4

Weather-related grid failures accounted for 46.4% of 2015 power outages. This is less than the percent failures attributed to weather in 2014. Of these 142 outages, 43 were suspected or actual attacks on the electrical

INTERPRETING THE RESULTS

First, notice we experienced just 31 outages in 2000. Then the number of outages slowly rose until there were 152 failures in 2008

grid. This represents 30.3% of all outages for 2015. This percentage seems to be increasing.

POWER OUTAGES BY CAUSE



When we peel the onion we begin to understand the scope of the electrical grid reliability problem. Certain parts of our country are more susceptible to attack than others.

2016 POWER OUTAGES

POWER OUTAGES BY MONTH

Month	Power Outages
January	7
February	13
March	10
April	9
May	10
June	-
July	-
August	-
September	-
October	-
November	-
December	-



POWER OUTAGE LOCATIONS



Between January and the end of May 2016, there were 49 reported outages. Of these, 26 were attacks—representing 53% of all outages during this five month period. (In all of 2015 there were 43 suspected or actual attacks out of 142 outages. Attacks accounted for 30.3% of all outages.) In the first five months of 2016, the relative percentage of attacks among total outages is up 75% over 2015. This should be a great concern to all of us. Grid attacks now exceed weather related outages.

2016 OUTAGE SUMMARY

2016 General Power Outages	
Number of general power outages	23
Average time power was out	25.8 hours
How long outages lasted	0.3 to 67.0 hours

There were 415,103 customers affected in Texas April 18-20, 2016 (power out for 50.83 hours)

In four cases the outage didn't affect any customers.

REPORTED CAUSES FOR 2016 U.S. POWER OUTAGES

Cause	Number
Sabotage	15
Weather	13
Vandalism	9
Interruptions	3
Low Fuel Supply	3
Cyber Attack	2
System Operations	2
Islanding	2

The chart below shows where attacks or suspected attacks on the electrical grid have occurred during this same time period.



SUMMARY OF POWER GRID ATTACKS

2016 Power Grid Attacks	
Number of general power outages	26
Average time power was out	7.8 hours
How long outages lasted	0.0 to 32.0 hours

Of the 26 attacks reported, 21 had no effect on customers and no downtime occurred. On March 27th, 110,000 customers in Nevada lost power for 1 hour.

SD	-	-	-	-
TN	TN	TN	TN	TN
TX	TX	TX	TX	TX
UT	-	UT	UT	UT
VA	VA	-	VA	-
VT	VT	-	VT	-
WA	WA	WA	WA	WA
WI	-	-	-	-
WV	-	WV	WV	-
WY	-	-	-	-

*DOE Office of Electricity Delivery & Energy Reliability January through May 2016

This suggests that when attacks occurred, fast reactions by grid operators minimized their effect. In many cases (21 of 26), there was no downtime. There were incidents of sabotage. An attack in January affected the grid in Wisconsin for 27 hours, but no customers lost power. Another incidence of sabotage occurred in March affecting power in Washington State for 32 hours. Again no customers were without power. In April sabotage of a Maryland power station caused a 28-hour event. No customers lost power. And in May, power in Missouri was sabotaged affecting operation for 20 hours. Like before, no customers were without electrical power.

Where attacks have not occurred is as important as where they have occurred. Notice that no outages or power grid attacks are recorded by the DOE for Alaska and Hawaii. These states are on their own independent power grids. Also there were no outages or attacks recorded for Iowa, Montana, North Dakota, Nebraska, South Dakota, or Wyoming.

PERCENTAGE OF OUTAGES

Year	Attacks	Outages	Percent	Change
2011	121	300	33%	+33%
2012	88	186	47%	+30%
2013	75	169	44%	-7%
2014	76	209	36%	-22%
2015	41	144	29%	-28%
2016*	26	48	54%	+86%

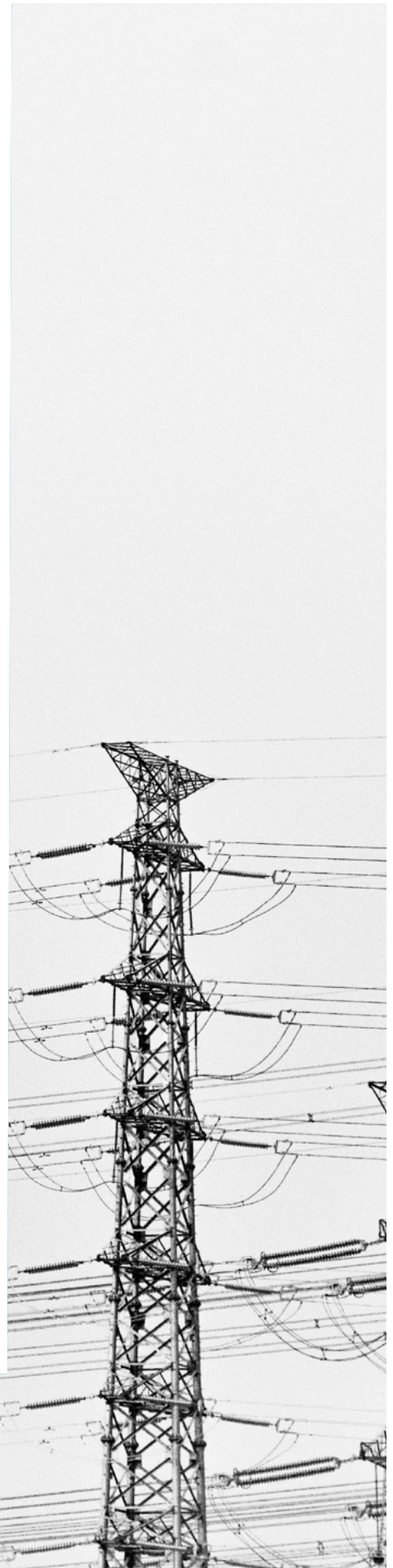
*DOE Office of Electricity Delivery & Energy Reliability January through May 2016

'15 + '16 POWER OUTAGES

State	2015 Outages	2015 Attacks	2016* Outages	2016* Attacks
AK	-	-	-	-
AL	AL	-	-	-
AR	AR	AR	-	-
AZ	-	AZ	-	-
CA	CA	CA	CA	-
CO	-	CO	CO	-
CT	CT	-	-	-
DE	DE	-	-	DE
FL	-	-	-	FL
GA	GA	-	-	-
HI	-	-	-	-
IA	-	-	-	-
ID	-	-	-	ID
IL	IL	-	-	-
IN	-	IN	-	-
KS	KS	KS	-	-
KY	KY	KY	-	-
LA	LA	-	LA	-
MA	MA	-	MA	MA
MD	-	-	-	MD
ME	ME	ME	ME	-
MI	MI	-	MI	-
MN	MN	MN	-	-
MO	MO	MO	-	MO
MS	MS	MS	-	-
MT	-	-	-	-
NC	NC	-	NC	-
ND	-	-	-	-
NE	-	-	-	-
NH	NH	-	NH	-
NJ	NJ	-	NJ	-
NM	-	-	NM	-
NV	-	NV	-	NV
NY	NY	NY	NY	NY
OH	OH	OH	-	-
OK	OK	-	-	-
OR	OR	OR	-	OR
PA	PA	PA	-	PA
RI	RI	-	RI	-
SC	SC	-	SC	-

CAUSED BY ATTACK.

The frequency of attacks has increased and this is ominous. But we're getting more resilient. Grid operators are better able to react quickly. Homeowners are preparing for worst-case events and even politicians are waking up to the fact that we must act now to protect our infrastructure and stop those who mean us harm. As I said in an earlier article—we've come a long way. But there is much more to do.



TRAINING WITH YOUR SURVIVAL GEAR: COMMON EXERCISES

By: Alden Morris

In today's world, survival gear is everywhere and abundant. Many people purchase bug out bags, SHTF bags, weapons, equipment, chest rigs and plate carriers, but very few actually go out and thoroughly train with them. The type of training that does occasionally occur is during a shooting event where most of their new tactical gear can be worn but not necessarily utilized to discover the gear's potential or shortcomings. Instead, the gear is worn for a day only being used for basic movements and drills never getting the proper field training every individual needs to take.

The idea behind purchasing any sort of survival gear is to rough it in the woods so that the fullest potential of the gear can either be utilized, or traded off for a better piece of equipment that is more ideal for the wearer. This can be done by creating a list of different exercises, drills, and tactics that will test the gear, no matter what it is, to discover if the wearer should part for something better or to adjust and prepare their current gear to their standards.

PLATE CARRIERS, CHEST RIGS, & COMBAT BELTS



One of the first most important factors that will need to be properly tested when buying equipment such as plate carriers, chest rigs and combat belts is maxing out the weight capacity. Many people buy plate carriers and never purchase ballistics plates, therefore they do not know what their body is capable of when it comes to eventually carrying excruciating weight. Many individuals do not fully load all the munitions on their chest rigs or combat belts which doesn't allow them to discover the shortcomings that might occur when they finally do.

The best piece of advice is to purchase all the needed gear and equipment beforehand. For example, purchase ballistics plates so that the body can adjust to the full weight when utilized. For chest rigs and combat belts, load every magazine and test the max weight of the gear while running two mile drills, five mile hikes, or getting down from prone position to crouch several times over while training to see where the gear snags, catches, or doesn't comply. Some basic exercises also include:

- Small hikes building up to multiple miles
- Urban and outdoor tactical drills
- Crawling, running and even swimming





PLATE CARRIERS, CHEST RIGS, & COMBAT BELTS

Your bug out bag, no matter which kind you have, should be loaded to fit your physique. It is too easy to overload a bug out bag and regret it once you begin to carry it around. In case a real world event did occur, that time would be too late to discover that you are not capable of carrying your own supplies for long distances.

Pack and repack your bug out bag with your essential items. Once comfortable, start with small hikes lasting for only one mile slowly building your way up. The idea would be to be able to cover a five mile journey with your bug out bag and not be prone to extreme sore muscles or fatigue. It is crucial to train with your bug out bag and to keep your body in top physical shape in order to carry your own survival supplies. Other exercises can include:

- Running and jogging with fully loaded BOB
- Pushups and pull-ups

PRIMARY & SECONDARY WEAPONRY

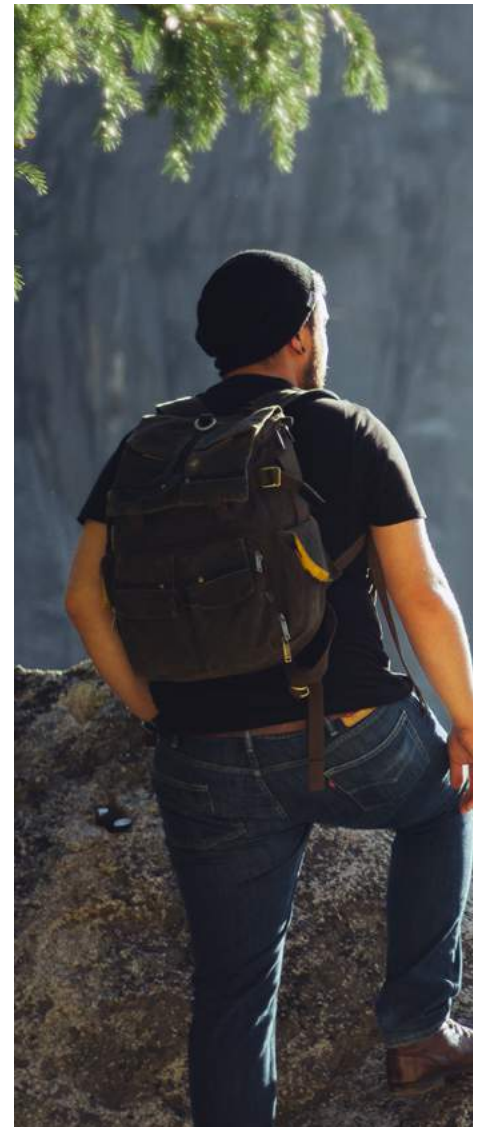
All too often, weapons such as primary rifles and secondary sidearms are only taken to the shooting range and not thoroughly trained with. Training with your weapons includes a variety of exercises, but most importantly long distances need to be covered while carrying your weapons of choice. Have you ever traveled two to three miles in rough terrain while shouldering a primary rifle, carrying a secondary sidearm on your hip and a shotgun on your back? Without the proper exercise and physical training any individual would have a hard time doing this, let alone carrying survival gear simultaneously.

Always carry your weaponry when training with any other survival gear. This is the best way to hone in this skill while honing in on others. Include rough terrain such as hills and brush while on hikes training. As well as be sure to continuously involve yourself in tactical training drills in both the urban environment and the outdoor. Much like dedicating yourself and your body to the gym so too must you dedicate your body to survival skills. Include exercise like:

- Climbing steep hills with all weaponry
- Climbing urban environments such as walls and fences
- Swimming
- Long hikes with sprints and running



- Crawling and lying prone for extended periods of time
- Perfecting your stances for long periods of time while crouched





HOW TO GET RID OF BED BUGS NATURALLY

By: Stacy Bravo

Bed bugs are very common, and they are a nuisance! By the time most people realize they have a bed bug infestation, getting rid of them can seem overwhelming and therefore people turn to pest control companies. I am here to tell you that you can get rid of them naturally...no harsh chemicals. Also, there are steps you can take to keep them from returning.

First, let's talk about what they are and how you can identify them.

WHAT EXACTLY ARE BED BUGS?

Bed bugs, known scientifically as *Cimex lectularius* (Cimicidae) are small wingless insects that feed by hematophagy – exclusively on the blood of warm blooded-animals. As we are warm-blooded animals, we are ideal hosts for them.

WHAT DO BED BUGS LOOK LIKE?

Newborns, called hatchlings or nymphs, are tiny, about the size of

a poppy seed, while adults grow to about 1/4 of an inch long. Their shape is oval and flattened. Nymphs, eggs, and adults are visible to the naked eye. When seen close up they may have a white, light tan to a deep brown or burnt orange color. Just after molting, most of them are plain white. When they have had their feed a dark red or black blob may be observed within their body. They will instinctively seek shelter in dark cracks and crevices when disturbed.

Bed bugs are seen as a growing problem within all types of dwellings, including private homes, dormitories, cruise ships, army barracks, and shelters.



Signs of bed bug activity may exist beneath loose areas of wallpaper near beds, in the corner of desks and dressers, in the laundry, and in dresser drawers.

Look out for dark brown or reddish fecal spots (bed bug droppings). If the area is very infested you may sense a coriander-like odor. The excrement is a liquid that looks either light brown or black that can either bead up or be absorbed by the material around it.





HOW TO GET RID OF BED BUGS NATURALLY

Once you realize that you have a bed bug infestation within your home, it is crucial that you act immediately to get rid of them. Here are 7 methods to get rid of bed bugs naturally.

DUCT TAPE

To get rid of any bed bugs on your mattress, pillows, clothing, or floor, you can use the sticky side of duct tape as a removal tool. You can also wrap the legs and rails of your bed with the sticky side of duct tape to help keep the pests away from your sleeping area.

DRYER SHEETS

Since the odor of most dryer sheets is repulsive to bed bugs, you can create a layer of Kryptonite by lifting your mattress and placing 8-10 sheets of dryer sheets between the box spring and mattress. Repeat the same number of sheets on the surface of your mattress before putting your sheets back on. Stash one to two dryer sheets inside of your pillowcases as well. Also, use dryer sheets by placing them throughout your dresser drawers and linen closets to protect your clothing and linens from bed bugs.

LAVENDER, ROSEMARY, EUCALYPTUS AND TEA TREE OIL

Lavender, rosemary, eucalyptus, and tea tree oil are powerful against pesky bed bugs. Add a few drops of each oil into a cup of water. Spray this mixture onto the bugs and around your sleeping area to kill and get rid of the pests.

DRY HEAT (CLOTHES DRYER)

Placing clothing, footwear, rugs, toys, stuffed animals, backpacks, and other non-launderable items in the dryer for a certain length of time can conveniently remove bed bugs. When an average clothes dryer is run for five minutes at low, medium or high heat, they generate temperatures of about 140, 150 and 180 degrees. It is believed that when drying a bundle of infected clothes, high temperatures are able to kill bed bugs. It is suggested to run the dryer for more than 20 minutes.

VACUUM CLEANER

The suction wand of a strong-powered vacuum can be used to remove bed bugs and their eggs from your sleeping quarters. Don't forget to target the seams of mattresses and box springs, along perimeters of carpets, under

baseboards, and in any other spaces and crevices associated with the pests. You won't get all bugs and eggs with a single vacuum treatment, so repeating the process a couple of times is highly recommended.

RUBBING ALCOHOL

While not a definite fix, spraying rubbing alcohol where bed bugs thrive may contain the problem by killing some on contact.

MINT LEAVES

Mint is another herb that bed bugs aren't too fond of. When left around the house, it can act as a bed bug repellent. It has been said that early Native Americans used the leaves of wild mint to get rid of bed bugs by crushing the leaves and sprinkling around their sleeping areas. They also tucked mint leaves inside of the cradle board of babies and small children. Before going to sleep, they'd also rub crushed mint leaves across their skin. You can also try adding sachets of dried leaves between your mattress and in your linen closets.





7 KEY POINTS TO CONSIDER WHEN GOING OFF-GRID

••••• By: James Smith

For a lot of people, living off the grid sounds like an attractive option. At first, when you think of off-grid living, you may picture sleeping under the stars or camping for a few days... but let me tell you, it goes deeper than that. It is the ultimate change in you, to develop a self-sustained lifestyle; to just have what you need, not take from land and to start eating straight from your garden.

The purpose of this article is to let everyone interested in a homesteading lifestyle know about the latent concerns. We sometimes overlook the challenges associated with this lifestyle. Living off the grid also means living in the rural area, which already presents a number of safety issues that you must be aware of before choosing a property.

This article will explain most of the challenges that you must keep in mind before finalizing your decision to purchase off-grid property.

DISTANCE FROM THE NEARBY CITY

Off-grid lifestyle lovers usually prefer living far away from cities. At the same time, they want to have access to the amenities that any big city offers such as medical care facilities and shopping. Therefore, rural areas that are around 60 to 100 miles away from a bigger city seem to be an attractive option for those who want to go off the grid.

WATER SOURCES

To manage your off-grid living, the property must have access to a reliable source of fresh water. Make sure the rural area is blessed with a river, stream, lake, shallow depth aquifer or pond. You can dig a well

on your property to get easy access to the water, or you will have to utilize spring or lake resources to bring water to your home.

ENERGY SOURCES

Homesteaders prefer to rely on nothing but natural resources. Therefore, you must consider the energy-generating potential of different sources including solar, hydro, wind and geothermal. In order to create a self-sustaining lifestyle, the property must have access to a reliable mode of creating power.

SEPTIC FACILITIES

Most rural properties do not have access to a public sewer system. A



septic system is a personal kind of sewer system to dispose of water organically. Before deciding about the septic system on your property and checking its functionality, you must hire services of a soil engineer to conduct a perk test. In case issues surface, an engineer can suggest a special system that will be installed specifically for your location.

SOIL ANALYSIS

Those who live off-grid usually have plans to grow their own food and keep their own livestock. To fulfill all these plans, the land must have fertile soil in order to grow a more self-sufficient farm. Before purchasing the land, you must conduct a detailed soil analysis with the help of an expert.

PROPERTY ANALYSIS

Before even seeing different property options, you must have

already imagined the style and design of your home. Therefore, you must analyze the property from every angle, taking note of things such as exposure, latitude and longitude, water availability and energy resources. If you are unable to perform this duty yourself, I suggest you hiring the services of an expert architect to make sure that you are purchasing the right land according to your plans. When you find your property, it must be as ideal as possible for your logistical needs as it is for your emotional needs.

THREAT ASSESSMENT OF THE AREA

Before finalizing the property, you must have complete knowledge about the threats you will face in the area and how these threats will affect you. You can check the previous data to find out exactly what kinds of disasters happened in the past. This data can help you

determine what threats are most likely, the intensity of the disasters and how the community responds to them.

For instance, if the area lies in a floodplain, you need to know if your property sits in the floodplain or not. And in case of emergency, how will you respond to the threat? How far is your property located from the main highway, nearby hospital or police and fire stations? Gather all this information before purchasing the property.

It appears that the demand for off-grid properties will continue to grow over the next few years as more and more people want live a self-sustained lifestyle. If you are among those looking for a self-sustaining off-grid property, I suggest you analyze the chosen property against these factors before handing over your hard-earned money.



HOW TO MAKE A DIY DRYER LINT FIRE STARTER

By Blake Alma

In a survival situation, fire is one of the most important necessities. Carrying a pocket lighter, flint & steel, or matches at all times is ideal.

In the event you need fire, you have it right in your pocket. In every household there are flammable materials that we overlook. These flammable materials can save our lives, if you know how to get them up in flames.

In my last article, I showed you how to properly start a fire with a cotton ball. In this article, I will show you how to light dryer lint and fabric softeners with flint & steel.

DRYER LINT

Take some dryer lint and roll it into a ball.

Take your flint & steel and hold it up to the dryer lint and strike. It should only take one strike. Using matches or a lighter will work too.



The dryer lint burns up really fast, so you must build on to your fire quickly. Dipping your dryer lint in Vaseline will make it burn longer.

FABRIC SOFTENER

Take a piece of fabric softener that has been used and dried out, and place it in your desired burning location.

Then roll the softener into a ball, that way it burns longer.

Take flint & steel and hold it up to the fabric softener and strike. It may take more than one strike to light. Using matches or a lighter will work too.

Fabric Softener takes a fair amount of time to burn, so building on your fire should be easier. Place flammable tender such as dry leaves or plants to build the fire up. Then use thin twigs and build your way up to build up that fire.



THE BEST TECH FOR YOUR BUG OUT BAG

By Megan Ray Nichols

This is the question all hikers ask themselves when they start packing their bug out bag. The bug out bag holds necessities that are required to survive a few days if something goes wrong on the hike. You need to make sure everything is small, lightweight and absolutely necessary. Bug out bags are perfect for preppers who want to make sure they're ready for the absolute worst situation.

There is a lot of technology that can be useful in a bug out bag. Here's the best tech you should have ready for an emergency.

HEAT

FireStar Fire Piston Fire Starter (Price: \$59.95): This small, lightweight fire starter is the most convenient item to have when you need heat. The FireStar Fire Piston generates heat from compressed air and then spontaneously combusts to create fire. Fuel is not required for the Fire Piston to work, and you don't have to



charge it. All you need is the 4.5-ounce item.

Omni-Heat Sleeping Bag Liner (Price: \$49.98): Although the ability to start a fire is essential for survival, you'll also need to stay warm when you sleep at night. Columbia's Omni-Heat sleeping bag liner is perfect for this. The liner traps your body heat and keeps you warm in cold temperatures. You'll stay toasty without needing an outlet or some source of electricity.

HYDRATION

Tactical 3L Hydration Pack (Price: \$89.00): The Tactical 3L Hydration Pack is necessary for all hikers. You can wear it as a backpack, vest or fold it into the back pocket of a larger pack. It can be cleaned easily, and the taste of the water won't change.

LifeStraw Personal Water Filter (Price: \$19.93): Need something small, lightweight, easy to fit in a bag and capable of making all water drinkable? Look no further than LifeStraw. LifeStraw is a water filter that has met EPA standards. This filter has been used around



the world and provided many areas with clean drinking water. Instead of carrying a heavy jug of drinking water, you can take your LifeStraw with you and drink from any body of water you find in the wilderness.

FOOD

BioLite Wood Burning Camp Stove (Price: \$139.99): You're going to need a small portable stove if you want to cook food. The BioLite Wood Burning Camp Stove can cook your food while charging your phone through its USB port. You only need to charge your phone for 20 minutes to get an hour of time making phone calls. The stove needs a battery to start up, and then it generates its own power once it's turned on.

Sea to Summit Kitchen Sink (Price: \$19.95): I'm sure you take your sink at home for granted. Sea to Summit has made a portable sink that is perfect when you want to wash dishes and clothes, hold ice and bathe. It holds a lot of water, and you can fold it into a pocket-size pouch. This sink makes it a lot easier to store and use water. Preppers will love having this sink so they can efficiently use water when it isn't easily accessible.

HEALTH

Tinke Fitness and Wellness Tracker (Price: \$119.00): You're going to want to track your health if you want to survive. Tinke stands out from other health trackers because it's the only one that measures heart rate, respiratory rate, blood oxygen saturation, and heart rate



variability. Tinke is very lightweight and plugs into your smartphone, so make sure you keep your phone charged.

TOOLS

Celestron Elements FireCel (Price: \$39.95): This multi-purpose device can do just about anything you need it to do. It has a strong battery that charges any USB-powered device. It also acts as a hand warmer, which will come in handy at night. It also has five different LED lights for walking around at night. It's so small it can fit in your pocket.

COMMUNICATION

UST JetScream Whistle (Price: \$9.95): Sometimes people will be around you, even if you can't see them. You'll want get in touch with them somehow. Why not use the loudest whistle in the world? The UST JetScream whistle generates 122 db, so everyone around you will know someone is looking for help. Preppers should always carry this whistle with them. They can easily contact the next person if something goes horribly wrong.

KA208 Credit Card Size Portable AM/FM Radio (Price: \$12.60): You'll want to stay in touch with the outside world. A portable radio is useful so you know what's going on in the world. It'll also provide comfort and entertainment when you need it. It's also the size of a credit card, so you can keep it in your pocket.

GET PACKING

Now that you know the hottest tech for your bug out bag, it's time to go shopping and get packing. Get ready, preppers. Your next journey awaits!

