**Getting the green light**

**Mark Camoccio lights up the night with the BSA Laser Genetics Laser Diffuser ND3 X50**

**Laser Genetics have come up with a highly innovative product in the ND3 series**

**Dave Welham is a highly experienced fox hunter, and he was seriously impressed by the new ND3 X50**

**The ND3 Laser Diffuser riding piggy back on the scope**

Conventional ‘lamping’ has been used as an effective method of vermin control for years, and leapers have played their part too, albeit as fairly inflexible add-ons; yet cumbersome batteries and bulky lamps, have often made the whole procedure rather tedious.

Well all that is possibly set to change with the introduction of what’s termed ‘Laser Diffusers’. Marketed by BSA and manufactured in the USA by a company called Laser Genetics, the ND3 X50 offers an intriguing, if not ground-breaking specification, which really does offer the dedicated sportsman an additional tool in their armoury.

**Green means go**

**Supposedly the most powerful device of its type, the ND3 X50 specifically uses green light, and enables the laser beam itself to be diffused and strengthened.** The ND3 is mounted on top of a conventional telescopic sight via a fully adjustable mounting system, which comes supplied.

Setting up the device is fairly simple; requiring the diffuser to be set into the mount rings. Then, by using the two adjustment wheels on the mount (winding and elevation), the laser beam can be moved to fall centrally behind the cross hair. The beam size can vary, via the central knurled collar, from 50mm up to 320mm at 1 km away; so obviously can be greatly varied down range, as the cone of light is widened on demand. The tighter the beam, the brighter and more intense the light, and trial and error will determine what works best for given surroundings and distances. A smaller ND3 model has been available for a while now, yet at the time of this review, this large ND3 derivative is yet to be released in the UK.

The 50mm diameter objective results in performance apparently 120% better than the original model, when viewed at 100m. Couple that with all the above, the ND3’s effectiveness is tremendous.

Setting up

A field test was recently conducted for this device, and what better than an invite from my old friend Dave Welham of Almstems, who had been field testing the ND3 for a week and a half. Dave’s prowess against foxes makes him a prime candidate to evaluate this product at the sharp end, and since he takes no prisoners in the field against the most wily of adversaries, it’s safe to rely upon a frank assessment of dox range performance.

Basically the idea was to put the unit through its paces, to see how it would survive Welham’s scrutiny where it mattered.

The full kit (for the outing was Laser Genetics ND3 M3 Laser Diffuser, Bursn Signature 8-32X44 scope, Remington 700 .17 calibre rifle and a Jackson riflescopes magazine – and last but not least our own Fox and Outdoor www.foxandoutdoor.co.uk) shooting foxes round a golf course set up the perfect backdrop to the action too, and we were soon in place at Dave’s private ground, to fine check the rifle’s zero, and get the kit in order. An exciting night ensued, and watching the master at work, as we eased the river side vehicle round the course, hole by hole, was an education as always. As usher to stop the vehicle coming... steadily the aim from the open hatch... and the first fox of the night was in the bag.

**Into the night**

A field test was recently conducted for this device, and what better than an invite from my old friend Dave Welham of Almstems, who had been field testing the ND3 for a week and a half. Dave’s prowess against foxes makes him a prime candidate to evaluate this product at the sharp end, and since he takes no prisoners in the field against the most wily of adversaries, it’s safe to rely upon a frank assessment of dox range performance. Basically the idea was to put the unit through its paces, to see how it would survive Welham’s scrutiny where it mattered.

The full kit (for the outing was Laser Genetics ND3 M3 Laser Diffuser, Bursn Signature 8-32X44 scope, Remington 700 .17 calibre rifle and a Jackson riflescopes magazine – and last but not least our own Fox and Outdoor www.foxandoutdoor.co.uk) shooting foxes round a golf course set up the perfect backdrop to the action too, and we were soon in place at Dave’s private ground, to fine check the rifle’s zero, and get the kit in order. An exciting night ensued, and watching the master at work, as we eased the river side vehicle round the course, hole by hole, was an education as always. As usher to stop the vehicle coming... steadily the aim from the open hatch... and the first fox of the night was in the bag.

**Setting up**

The ND3X50 is a fairly simple setup to get all the elements of optics being that the laser beam is best adjusted so that it fills the field of view of the scope at the optimum expected target distance. Once this is achieved, centring the diffuser field becomes easier, with the critical system working well. In use, it seems that conventional lamps are still a good idea for initial target setting, then adopt a black-out procedure and switch to the calmer gun light of the ND3, once in line. Being on the move, this ND3 is usable by a lone shooter, after eyes become familiarised, but if shooting as a pair, then one person setting, using a conventional lamp probably makes sense.

The weakest part of the setup appears to be that adjustable mounting system, and on the test model, despite the mount clamped to full tightness, the fragility of the mount meant that the light beam could be too easily moved off target when the gun was nudged or roughly manoeuvered.

**Not a bad start, as the ND3 makes its presence felt**

**All the clamps and mounts are supplied with the kit**

**Technology specifications**

- **Models**: Laser Genetics ND3 X50
- **Objective Lens Diameter**: 50mm
- **Weight**: 31oz
- **Beam Diameter**: -measured at 1/2: 30mm/420mm
- **Length**: 8.5 inches
- **Tube Diameter**: 1 inch
- **Power Supply**: 2 x CR123A batteries included
- **Battery Life**: 7 hours of continuous use
- **Output Power**: 50M W
- **Laser Type**: Frequency Doubled Diode
- **Wavelength**: 532 nm green
- **Max. Range**: 500 yards
- **FDA Safety Class**: 2m Laser Product
- **Contact**: 6500-6600 estimated guide price

Since where the majority of practical shots were concerned, this diffuser proved to be a real boon in the field. Ok, a spoiled fox from an over shot location will run whatever is thrown at it, but in general, this diffused green light seems far more forgiving and less effective where the quarry is concerned, which of course is music to any hunter’s ears. The Welham verdict - get that mount sorted, and BSA are clearly onto a winner.

**A footnote: the use of any laser product can be dangerous if care is not taken.**

**Eyesight can be damaged if lasers are misused and flashed in the face, so this should be born in mind at all times, and attention paid to all product warnings.**